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MONTANA

VITAL STATISTICS

1980

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SYMBOLS USED IN THIS REPORT

Quantity is zero in frequency tables (one dash)	-
Rate or percent is less than or equal to 0.05	0.0
Data not available or not applicable (three dashes)	---

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Knowledge is of two kinds; we know a subject ourselves, or we know where we can find the information upon it.

--- Samuel Johnson

INTRODUCTION

This report is designed to provide a ready reference to some of the more frequently used vital statistics for Montana. Since the report is primarily intended for reference, little space has been devoted to analysis and interpretation of the data. Where space permits, 1980 data are accompanied by figures for the previous year or years so that comparisons may be made. Only information of general interest is published here. In most cases, more detailed data are available upon request.

Records collected by the Montana Department of Health and Environmental Sciences provide the basis for the tabulations in this report. These records include certificates of birth, death, and fetal death (stillbirth), and transcripts showing information on marriage, marital termination, morbidity, and legally induced abortion.

LIMITATIONS OF THESE DATA

Delay in Filing

This report includes all 1980 vital records received before May 15, 1981. The number of records received after this date is so small that in most instances, it is of little consequence.

Geographic Allocation

Births and deaths may be tabulated by place of occurrence or by place of residence. For deaths, the place of residence is the usual residence of the decedent. For births, the place of residence of the child is the same as the mother's.

Residence data are tabulated by using a system of exchange of certificates with other states and the provinces of Canada. Titles of tables in this report indicate whether the data are shown by residence or occurrence.

Medical Certification

Causes of death reported on death certificates are classified according to the Ninth Revision of the International

Classification of Diseases (I.C.D.). The objective of the coding procedures used in this classification is to select the underlying cause of death from information provided by the attending physician or coroner.

The medical certification section of the Montana Death Certificate asks for information on the causal and chronological sequence of events leading to death. It consists of two parts. Part I is used for reporting the causes leading directly to death. The interval between onset and death is indicated for each condition. Part II is for reporting any other important diseases or conditions that influenced the course of the illness unfavorably, thus contributing to the fatal outcome but which were not related to the disease or condition reported as the immediate cause of death. To illustrate, a medical certification might read as follows:

Part I. Death was caused by:	Duration
Immediate cause (a) postoperative bronchial pneumonia	3 days
Due to (b) lobectomy	1 week
Due to (c) primary cancer of lung	1 year

Part II.

Hypertensive cardiovascular disease

This death would be assigned to I.C.D. rubric 162.9 (malignant neoplasm of bronchus and lung).

Deaths are classified in this way whenever possible. Exceptions must be made when the underlying cause is not apparent from the certification and when clarification cannot be obtained. In these instances, a system of rules is applied to select the probable underlying cause.

Race

It is difficult to tabulate vital events by race when the persons under question are of mixed blood. The statement of race on the certificates usually reflects the opinion of the informant and does not follow any prescribed rules for the reporting of race. For the most part, racial data in this report are shown simply as "white" and "other." This minimizes confusion with concepts of nationality, country of origin of parents, or other characteristics. In the racial classification used, white includes "Mexican."

Legitimacy

The Montana Certificate of Live Birth does not contain an item regarding the legitimacy of the child. The rules of the Montana Department of Health and Environmental Sciences

require: "If the mother was not married at the time of birth, and had not been married within ten months of the birth the name of the father must not be entered on the certificate of birth unless accompanied by the written consent of both the mother and the father."

Births are inferred to be illegitimate if information regarding the father is omitted. They are also classified as out-of-wedlock if they are accompanied by the required paternity affidavits. Individual consideration is given certificates where the surname used in the mother's signature does not agree with the surname of the father.

Limitations of Small Numbers

The occurrence of events recorded in this publication is subject to chance variation. For example, an infant death at 11:59 P.M. on December 31 would be counted in one year, however, if the infant lived only two minutes longer and died at 12:01, the death would be counted in the following year. This phenomenon is not of great importance for counties with substantial populations since the relative number of infant deaths will not be greatly affected by one event. In the case of counties with small populations, the occurrence of even one event may produce a rate which is well above the average for the state.

When the number of events is displayed, the occurrence of small numbers is obvious. However, when rates or percentages are shown, the fact that they may be based on small numbers of events may not be immediately apparent.

In some instances an attempt is made to ameliorate the problem by adding data together for several years (for example, the five-year infant mortality rates shown in Table 13). However, use of multi-year rates in these tables has been limited because such rates often conceal changes in trends within the period under scrutiny.

Population

Population data for 1980 are from the Federal Census of Population.

Definitions

Following are definitions of selected terms as they are used in this publication.

ABORTION - A legal act or operation intended to terminate a pregnancy without live birth, which is reported to the Department.

CRUDE BIRTH RATE - relates the number of live births to the total population. It is computed as follows:

$$\text{Annual crude birth rate} = \frac{\text{Annual number of live births}}{\text{Midyear population}} \times 1{,}000$$

CRUDE DEATH RATE - relates the number of deaths to the total population. It is computed as follows:

$$\text{Annual crude death rate} = \frac{\text{Annual number of deaths}}{\text{Midyear population}} \times 1{,}000$$

FERTILITY RATE - relates total births to an approximation of the population exposed to risk. The denominator is limited to women in the main childbearing ages. It is computed as follows:

$$\text{Annual general fertility rate} = \frac{\text{Annual number of live births}}{\text{Midyear population of women 15 - 44 years of age}} \times 1{,}000$$

FETAL DEATH - the birth of a fetus after 20 weeks of gestation which shows no evidence of life after complete birth (this is, no action of the heart, breathing, or movement of voluntary muscles).

FETAL MORTALITY RATIO - relates fetal deaths to live births. It is computed as follows:

$$\text{Annual fetal mortality ratio} = \frac{\text{Annual number of fetal deaths}}{\text{Annual number of live births}} \times 1{,}000$$

FIVE-YEAR INFANT MORTALITY RATE - relates the number of deaths under one year of age to the number of live births. It is calculated as follows:

$$\text{Five-year infant mortality rate} = \frac{\text{Number of deaths under one year of age over a five-year period}}{\text{Number of live births over the same five-year period}} \times 1{,}000$$

ILLEGITIMACY RATIO - relates the number of out-of-wedlock births to total live births. It is computed as follows:

$$\text{Annual illegitimacy ratio} = \frac{\text{Annual number of illegitimate live births}}{\text{Annual number of all live births}} \times 1{,}000$$

INFANT DEATH - the death of a person under one year of age.

LIVE BIRTH - birth of a child who shows evidence of life after complete birth. Evidence of life includes heart action, breathing, or movement of voluntary muscles.

MATERNAL MORTALITY RATE - measures the risk of death from deliveries and complications of pregnancy, childbirth, and the puerperium. It is computed as follows:

$$\text{Annual maternal mortality rate} = \frac{\text{Annual number of deaths attributed to maternal conditions}}{\text{Annual number of live births}} \times 100{,}000$$

NATURAL INCREASE - is the excess of births over deaths among residents of an area. The rate is shown per 1,000 population in the area.

$$\text{Annual rate of natural increase} = \frac{\text{Annual number of live births minus annual number of deaths}}{\text{Population of area}} \times 1{,}000$$

NEONATAL DEATH - the death of an infant under 28 days of age.

OCCURRENCE - where an event takes place regardless of the usual residence of the person involved.

PREINATAL DEATHS - are those occurring around the time of birth. They are made up of the sum of registered fetal deaths and neonatal deaths.

PERINATAL MORTALITY RATE - relates the number of fetal deaths plus neonatal deaths to the number of deliveries (fetal deaths plus live births). It is calculated as follows:

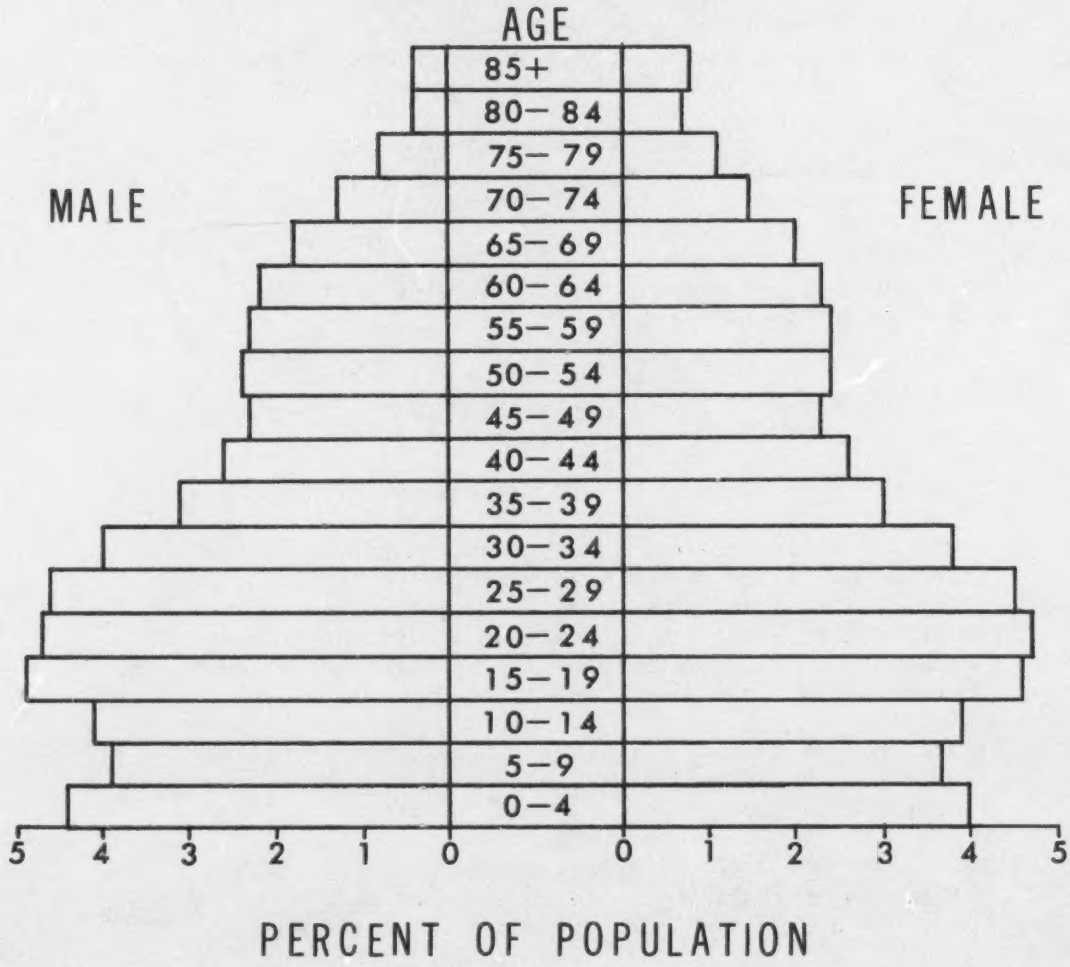
$$\text{Perinatal mortality rate} = \frac{\text{Annual number of fetal deaths plus neonatal deaths}}{\text{Annual number of fetal deaths plus live births}} \times 1{,}000$$

PREMATURE (IMMATURE) INFANT - a live-born infant with a birth weight of five pounds eight ounces (2,500 grams) or less.

RESIDENCE - for deaths, this refers to the usual residence of the decedent. For births and fetal deaths, it refers to the usual residence of the mother.

CHART 1

Montana–1980



Source: 1980 Federal Census of Population

GENERAL

POPULATION

HISTORICAL

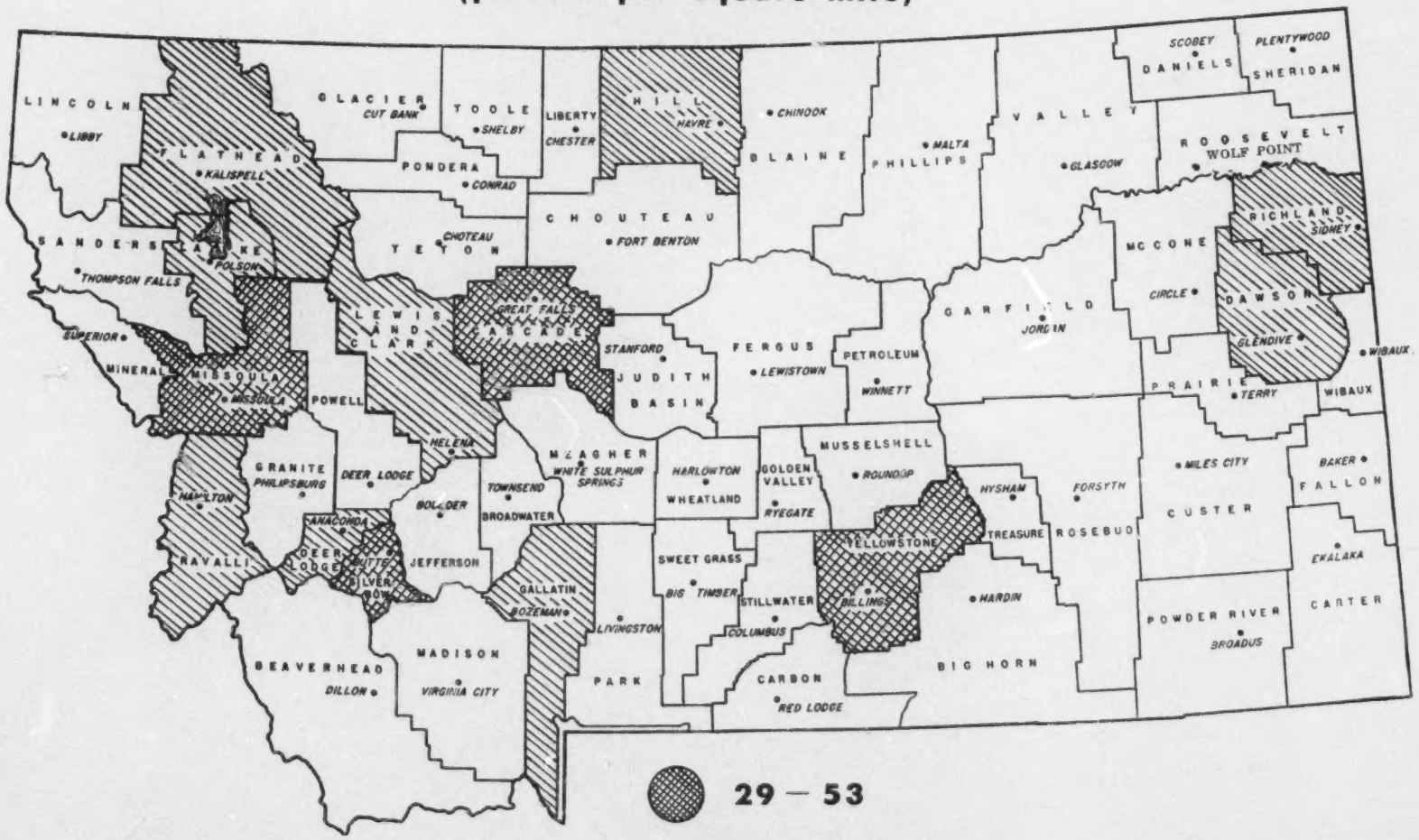
RESIDENCE

OCCURRENCE

RACE

CHART 2

Population Density
(persons per square mile)



MONTANA, 1980

Source: 1980 Federal Census of Population

TABLE 1

DEATHS, LIVE BIRTHS, FETAL, INFANT, AND MATERNAL DEATHS

MONTANA, 1910-1980

DEATHS EXCLUSIVE OF FETAL DEATHS. DATA FOR 1910-1945 ARE BY PLACE OF OCCURRENCE. DATA SINCE 1946 ARE BY PLACE OF RESIDENCE.

YEAR	ESTIMATED MIDYEAR POPULATION	DEATHS		LIVE BIRTHS		FETAL DEATHS		INFANT DEATHS		MATERNAL DEATHS	
		NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATIO**	NUMBER	RATE**	NUMBER	RATE***
1910	376,053	3,999	10.6	6,124	16.3	---	---	714	116.6	62	1012.4
1915	468,067	5,072	10.8	11,132	23.8	---	---	816	73.3	91	817.5
1920	548,339	5,289	9.6	11,862	21.6	---	---	862	72.7	104	876.7
1925	542,834	5,188	9.6	10,302	19.0	343	33.3	726	70.5	83	805.7
1930	537,606	5,435	10.1	10,004	18.6	286	28.6	569	56.9	67	669.7
1931	540,337	5,280	9.8	9,638	17.8	309	32.1	583	60.5	70	726.3
1932	542,522	5,294	9.8	9,091	16.8	254	27.9	467	51.4	60	660.0
1933	544,707	5,212	9.6	8,953	16.4	235	26.2	461	51.5	51	569.6
1934	546,892	5,617	10.3	9,949	18.2	244	24.5	532	53.5	57	572.9
1935	549,077	6,291	11.5	10,029	18.3	232	23.1	602	60.0	52	518.5
1936	551,262	6,255	11.3	10,400	18.9	227	21.8	593	57.0	57	548.1
1937	553,447	6,128	11.1	10,248	18.5	232	22.6	518	50.5	38	370.8
1938	555,632	5,684	10.2	10,673	19.2	250	23.4	486	45.5	35	327.9
1939	557,817	5,901	10.6	10,897	19.5	212	19.5	534	49.0	35	321.2
1940	559,456	5,722	10.2	11,468	20.5	216	18.8	527	46.0	39	340.1
1941	530,000	5,673	10.7	11,545	21.8	227	19.7	438	37.9	21	181.9
1942	500,000	5,516	11.0	11,735	23.5	207	17.6	395	33.7	26	221.6
1943	470,033	5,601	11.9	11,407	24.3	212	18.6	442	38.7	20	175.3
1944	487,300	5,662	11.6	10,943	22.5	184	16.8	395	36.1	16	146.2
1945	504,600	5,414	10.7	10,601	21.0	184	17.4	363	34.2	17	160.4
1946	521,900	5,595	10.7	12,858	24.6	224	17.4	448	34.8	18	140.0
1947	539,200	5,760	10.7	15,086	28.0	238	15.8	484	32.1	16	106.1
1948	556,500	5,884	10.6	15,035	27.0	236	15.7	461	30.7	14	93.1
1949	573,800	5,878	10.2	15,366	26.8	231	15.0	457	29.7	14	91.1
1950	591,024	5,817	9.8	15,592	26.4	233	14.9	441	28.3	20	128.3
1951	596,000	5,964	10.0	15,929	26.7	248	15.6	425	26.7	10	62.8
1952	602,000	5,974	9.9	16,479	27.4	253	15.4	448	27.2	8	48.5
1953	616,000	6,125	9.9	16,596	26.9	232	14.0	480	28.9	3	18.1
1954	624,000	6,030	9.7	17,276	27.7	247	14.3	398	23.0	5	28.9
1955	636,000	6,115	9.6	17,454	27.4	221	12.7	433	24.8	5	28.7
1956	656,000	6,450	9.8	17,703	27.0	239	13.5	495	28.0	2	11.3
1957	667,000	6,486	9.7	18,219	27.3	224	12.3	462	25.4	5	27.4
1958	666,000	6,265	9.4	17,275	25.9	233	13.5	444	25.7	3	17.4
1959	669,000	6,570	9.8	17,646	26.4	223	12.6	431	24.4	3	17.0
1960	674,767	6,525	9.7	17,448	25.9	190	10.9	435	24.9	5	28.7
1961	682,000	6,338	9.3	17,368	25.5	194	11.2	441	25.4	2	11.5
1962	709,000	6,418	9.1	16,818	24.7	210	12.5	436	25.9	7	41.6
1963	707,000	6,609	9.3	15,934	22.5	194	12.2	383	24.0	2	12.6
1964	705,000	6,851	9.7	15,094	21.4	200	13.3	403	26.7	7	46.4
1965	706,000	6,573	9.3	13,641	19.3	177	13.0	338	24.8	2	14.7
1966	702,000	6,864	9.8	12,623	18.0	140	11.1	286	22.7	3	23.8
1967	701,000	6,549	9.3	12,087	17.2	141	11.7	290	24.0	3	24.8
1968	693,000	6,534	9.4	11,992	17.3	146	12.2	233	19.4	1	8.3
1969	694,000	6,694	9.6	11,762	16.9	132	11.2	246	20.9	1	8.5
1970	694,409	6,597	9.5	12,622	18.2	140	11.1	272	21.5	3	23.8
1971	710,000	6,860	9.7	12,347	17.4	127	10.3	267	21.6	-	0.0
1972	719,000	6,896	9.6	11,444	15.9	129	11.3	225	19.7	4	35.0
1973	721,000	6,870	9.5	11,392	15.8	105	9.2	222	19.5	-	0.0
1974	735,000	6,552	8.9	12,273	16.7	125	10.2	202	16.5	1	8.1
1975	748,000	6,539	8.7	12,070	16.1	112	9.3	187	15.5	3	24.9
1976	753,000	6,733	8.9	12,605	16.7	104	8.3	209	16.6	-	0.0
1977	761,000	6,397	8.4	13,304	17.5	119	8.9	183	13.8	1	7.5
1978	785,000	6,484	8.3	13,545	17.3	110	8.1	155	11.4	3	22.1
1979	786,000	6,471	8.2	14,057	17.9	116	8.3	151	10.7	4	28.5
1980	786,690	6,664	8.5	14,208	18.1	104	7.3	176	12.4	2	14.1

* PER 1,000 ESTIMATED POPULATION.
** PER 1,000 LIVE BIRTHS.
*** PER 100,000 LIVE BIRTHS.
U. S. CENSUS ENUMERATIONS ARE USED ON YEARS ENDING IN ZERO.

TABLE 2

POPULATIONS

MONTANA COUNTIES, 1970 AND 1980

COUNTY	1980 CENSUS ENUMERATION	1970 CENSUS ENUMERATION	COUNTY	1980 CENSUS ENUMERATION	1970 CENSUS ENUMERATION
MONTANA, TOTAL	786,690	694,409			
BEAVERHEAD	8,186	8,187	MADISON	5,448	5,014
BIG HORN	11,096	10,057	MEAGHER	2,154	2,122
BLAINE	6,999	6,727	MINERAL	3,675	2,958
BROADWATER	3,267	2,526	MISSOULA	76,016	58,263
CARBON	8,099	7,080	MUSSELSHELL	4,428	3,734
CARTER	1,799	1,956	PARK	12,869	11,197
CASCADE	80,696	81,804	PETROLEUM	655	675
CHOUTEAU	6,092	6,473	PHILLIPS	5,367	5,386
CUSTER	13,109	12,174	PONDERA	6,731	6,611
DANIELS	2,835	3,083	POWDER RIVER	2,520	2,862
DAWSON	11,805	11,269	POWELL	6,958	6,660
DEER LODGE	12,518	15,652	PRAIRIE	1,836	1,752
FALLON	3,763	4,050	RAVALLI	22,493	14,409
FERGUS	13,076	12,611	RICHLAND	12,243	9,837
FLATHEAD	51,966	39,460	ROOSEVELT	10,467	10,365
GALLATIN	42,865	32,505	ROSEBUD	9,899	6,032
GARFIELD	1,656	1,796	SANDERS	8,675	7,093
GLACIER	10,628	10,783	SHERIDAN	5,414	5,779
GOLDEN VALLEY	1,026	931	SILVER BOW	38,092	41,981
GRANITE	2,700	2,737	STILLWATER	5,598	4,632
HILL	17,985	17,358	SWEET GRASS	3,216	2,980
JEFFERSON	7,029	5,238	TETON	6,491	6,116
JUDITH BASIN	2,646	2,667	TOOLE	5,559	5,839
LAKE	19,056	14,445	TREASURE	981	1,069
LEWIS & CLARK	43,039	33,281	VALLEY	10,250	11,471
LIBERTY	2,329	2,359	WHEATLAND	2,359	2,529
LINCOLN	17,752	18,063	WIBAUX	1,476	1,465
MCCONE	2,702	2,875	YELLOWSTONE	108,035	87,367
			YELLOWSTONE PRK	66	64

TABLE 3

DEATHS, LIVE BIRTHS, FETAL, INFANT AND MATERNAL DEATHS

MONTANA COUNTIES, 1980
BY PLACE OF OCCURRENCE AND BY PLACE OF RESIDENCE. DEATHS EXCLUSIVE OF FETAL DEATHS

COUNTY	DEATHS		LIVE BIRTHS		FETAL DEATHS		INFANT DEATHS		MATERNAL DEATHS	
	OCC.	RES.	OCC.	RES.	OCC.	RES.	OCC.	RES.	OCC.	RES.
MONTANA, TOTAL	6,580	6,664	13,874	14,208	108	104	145	176	2	2
BEAVERHEAD	79	90	67	149	1	3	2	2	-	-
BIG HORN	85	107	244	287	1	6	2	6	1	1
BLAINE	36	66	50	154	-	1	2	5	-	-
BROADWATER	22	29	24	39	-	1	-	1	-	-
CARBON	94	108	64	138	-	-	1	3	-	-
CARTER	13	16	16	25	-	-	-	-	-	-
CASCADE	689	597	1,677	1,521	13	11	22	10	-	-
CHOUTEAU	39	58	29	99	-	1	-	-	-	-
CUSTER	176	136	376	230	-	-	2	2	-	-
DANIELS	36	42	36	41	-	-	-	-	-	-
DAWSON	90	114	241	226	2	2	2	3	-	-
DEER LODGE	143	158	91	155	-	2	1	2	-	-
FALLON	21	26	33	81	-	1	1	1	-	-
FERGUS	161	150	242	204	-	1	-	1	-	-
FLATHEAD	390	409	1,105	932	8	7	9	10	-	-
GALLATIN	261	256	806	686	6	5	6	5	-	-
GARFIELD	10	17	8	30	-	-	-	-	-	-
GLACIER	83	110	249	303	2	3	1	6	-	-
GOLDEN VALLEY	4	9	-	18	-	-	-	1	-	-
GRANITE	25	30	1	28	-	-	-	1	-	-
HILL	143	141	522	391	7	1	3	5	-	-
JEFFERSON	32	50	2	134	-	1	1	3	-	-
JUDITH BASIN	12	25	1	32	-	-	-	-	-	-
LAKE	175	199	317	360	2	3	1	5	-	-
LEWIS & CLARK	353	313	828	731	3	3	6	5	-	-
LIBERTY	19	15	59	57	-	-	-	-	-	-
LINCOLN	98	123	227	340	-	-	2	2	-	-
MCCONE	22	20	17	34	1	1	-	1	-	-
MADISON	54	64	80	81	-	2	-	-	-	-
MEAGHER	17	19	20	29	-	-	1	1	-	-
MINERAL	27	28	41	75	-	-	-	-	-	-
MISSOULA	599	488	1,593	1,385	14	10	21	21	1	1
MUSSELSHELL	31	47	32	76	-	1	-	-	-	-
PARK	126	133	146	215	2	3	1	1	-	-
PETROLEUM	1	5	1	18	-	-	-	-	-	-
PHILLIPS	60	61	64	104	-	2	1	2	-	-
PONDERA	40	48	115	131	-	1	1	2	-	-
POWDER RIVER	11	24	1	48	-	-	-	1	-	-
POWELL	50	67	96	102	1	-	1	1	-	-
PRAIRIE	16	16	7	17	-	-	-	-	-	-
RAVALLI	177	215	252	343	2	3	1	4	-	-
RICHLAND	68	95	188	295	3	3	2	4	-	-
ROOSEVELT	102	114	191	236	-	-	1	4	-	-
ROSEBUD	43	73	16	212	-	2	-	2	-	-
SANDERS	59	83	58	128	-	1	-	-	-	-
SHERIDAN	56	64	94	103	-	-	1	2	-	-
SILVER BOW	520	520	752	585	14	8	9	9	-	-
STILLWATER	58	63	100	83	1	1	2	-	-	-
SWEET GRASS	36	48	38	54	-	-	-	1	-	-
TETON	49	66	84	118	1	-	1	2	-	-
TOOLE	33	43	73	106	1	1	1	1	-	-
TREASURE	2	6	-	21	-	-	-	-	-	-
VALLEY	71	86	186	192	1	1	4	9	-	-
WHEATLAND	14	18	21	38	-	-	1	2	-	-
WIBAUX	6	14	-	24	-	-	-	-	-	-
YELLOWSTONE	943	742	2,293	1,964	22	12	32	27	-	-

TABLE 4

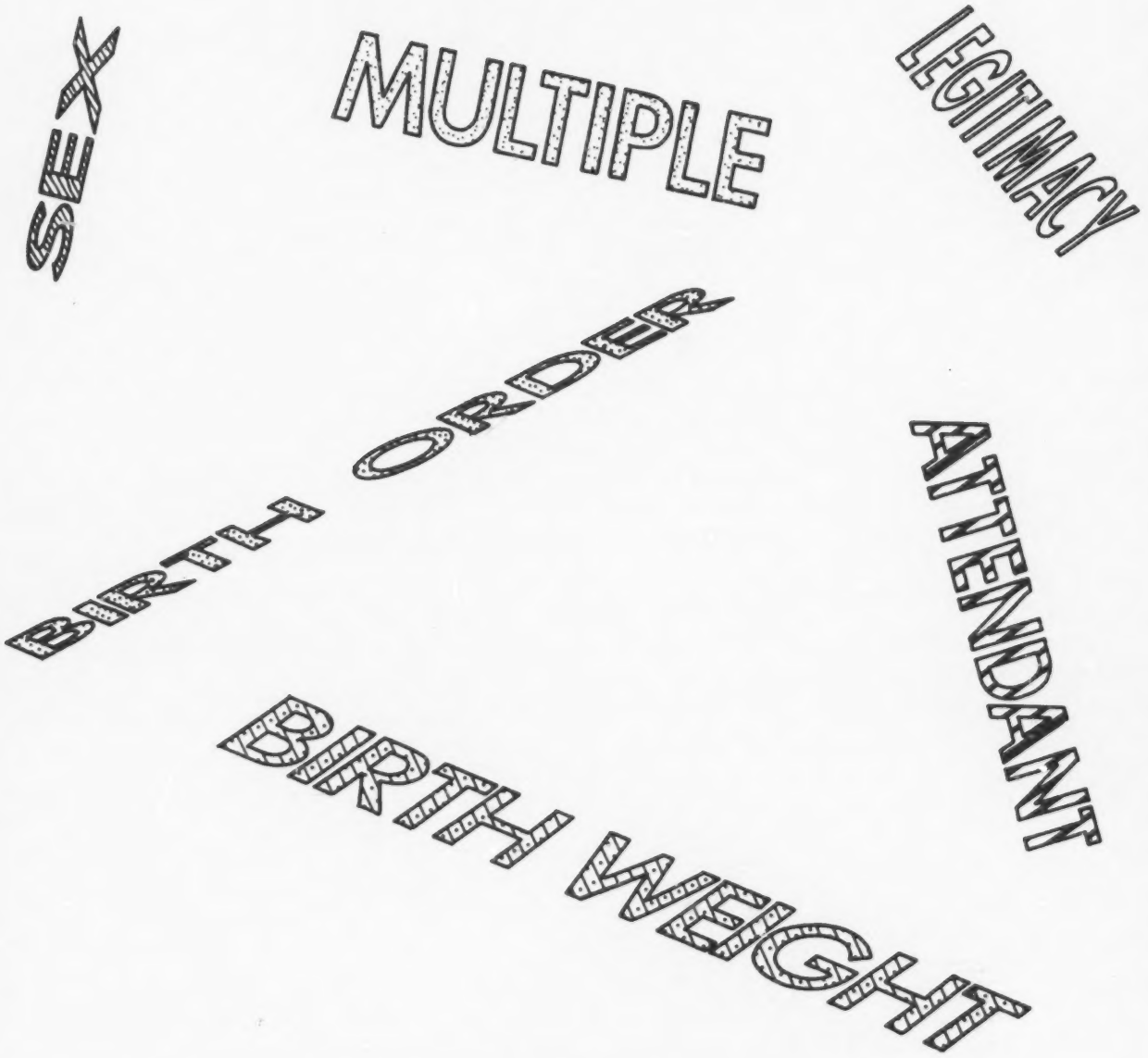
DEATHS, LIVE BIRTHS, AND FETAL DEATHS BY RACE

MONTANA COUNTIES, 1980
BY PLACE OF RESIDENCE

COUNTY	DEATHS				LIVE BIRTHS				FETAL DEATHS				
	TOTAL	WHITE*	INDIAN	OTHER	TOTAL	WHITE*	INDIAN	OTHER	TOTAL	WHITE*	INDIAN	OTHER	UNKNOWN
MONTANA, TOTAL	6,664	6,340	301	23	14,208	12,733	1,277	198	104	88	15	1	-
BEAVERHEAD	90	89	1	-	149	146	2	1	3	3	-	-	-
BIG HORN	107	56	50	1	287	101	183	3	6	2	4	-	-
BLAINE	66	47	19	-	154	83	71	-	1	1	-	-	-
BROADWATER	29	28	1	-	39	39	-	-	1	1	-	-	-
CARBON	108	108	-	-	138	137	1	-	-	-	-	-	-
CARTER	16	16	-	-	25	23	1	1	-	-	-	-	-
CASCADE	597	578	14	5	1,521	1,383	91	47	11	10	1	-	-
CHOUTEAU	58	58	-	-	99	98	1	-	1	1	-	-	-
CUSTER	136	136	-	-	230	224	6	-	-	-	-	-	-
DANIELS	42	41	1	-	41	40	-	1	-	-	-	-	-
DAWSON	114	114	-	-	226	224	2	-	2	2	-	-	-
DEER LODGE	158	155	-	3	155	145	4	6	2	2	-	-	-
FALLON	26	26	-	-	81	78	1	2	1	1	-	-	-
FERGUS	150	148	2	-	204	200	3	1	1	1	-	-	-
FLATHEAD	409	404	3	2	932	896	31	5	7	7	-	-	-
GALLATIN	256	255	1	-	686	667	16	3	5	5	-	-	-
GARFIELD	17	17	-	-	30	30	-	-	-	-	-	-	-
GLACIER	110	63	46	1	303	94	209	-	3	2	1	-	-
GOLDEN VALLEY	9	9	-	-	18	17	1	-	-	-	-	-	-
GRANITE	30	30	-	-	28	28	-	-	-	-	-	-	-
HILL	141	119	22	-	391	302	86	3	1	-	1	-	-
JEFFERSON	50	49	1	-	134	129	3	2	1	1	-	-	-
JUDITH BASIN	25	24	1	-	32	32	-	-	-	-	-	-	-
LAKE	199	166	33	-	360	256	103	1	3	2	1	-	-
LEWIS & CLARK	313	309	4	-	731	712	12	7	3	3	-	-	-
LIBERTY	15	15	-	-	57	54	3	-	-	-	-	-	-
LINCOLN	123	122	1	-	340	327	9	4	-	-	-	-	-
MCCONE	20	20	-	-	34	33	-	1	1	1	-	-	-
MADISON	64	64	-	-	81	81	-	-	2	2	-	-	-
MEAGHER	19	19	-	-	29	29	-	-	-	-	-	-	-
MINERAL	28	28	-	-	75	71	3	1	-	-	-	-	-
MISSOULA	488	478	9	1	1,385	1,298	40	47	10	10	-	-	-
MUSSELSHELL	47	47	-	-	76	76	-	-	1	1	-	-	-
PARK	133	132	1	-	215	212	3	-	3	2	-	1	-
PETROLEUM	5	5	-	-	18	18	-	-	-	-	-	-	-
PHILLIPS	61	61	-	-	104	88	15	1	2	1	1	-	-
PONDERA	48	40	8	-	131	108	22	1	1	1	-	-	-
POWDER RIVER	24	24	-	-	48	46	1	1	-	-	-	-	-
POWELL	67	67	-	-	102	101	-	1	-	-	-	-	-
PRAIRIE	16	16	-	-	17	16	1	-	-	-	-	-	-
RAVALLI	215	213	-	2	343	327	3	13	3	3	-	-	-
RICHLAND	95	94	1	-	295	279	13	3	3	3	-	-	-
ROOSEVELT	114	76	37	1	236	113	120	3	-	-	-	-	-
ROSEBUD	73	51	22	-	212	145	66	1	2	1	1	-	-
SANDERS	83	81	2	-	128	116	12	-	1	-	1	-	-
SHERIDAN	64	64	-	-	103	100	2	1	-	-	-	-	-
SILVER BOW	520	511	6	3	585	560	23	2	8	8	-	-	-
STILLWATER	63	63	-	-	83	82	1	-	1	-	1	-	-
SWEET GRASS	48	48	-	-	54	54	-	-	-	-	-	-	-
TETON	66	63	3	-	118	116	2	-	-	-	-	-	-
TOOLE	43	43	-	-	106	105	1	-	1	1	-	-	-
TREASURE	6	6	-	-	21	21	-	-	-	-	-	-	-
VALLEY	86	83	3	-	192	162	26	4	1	1	-	-	-
WHEATLAND	18	18	-	-	38	37	-	1	-	-	-	-	-
WIBAUX	14	14	-	-	24	23	1	-	-	-	-	-	-
YELLOWSTONE	742	729	9	4	1,964	1,851	83	30	12	9	3	-	-

* WHITE INCLUDES MEXICAN.

BIRTHS



EDUCATION OF MOTHER

BIRTHS

General

The 14,208 resident live births in 1980 represent a continued increase in Montana's birth rate. The crude birth rate has increased from 15.8 in 1973 to 18.1 in 1980. The crude birth rate is the number of live births per one thousand estimated population.

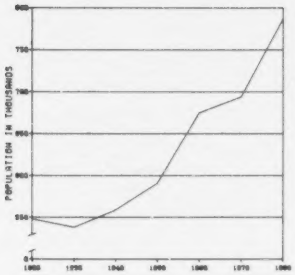
Sex Ratio and Fertility Rate

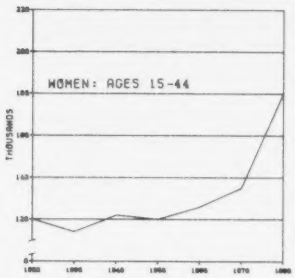
There were 7,272 males born to Montana residents in 1980, yielding a sex ratio of 104.8 males per 100 females. This ratio is close to the low ratio for the previous decade, which was 104.2 in 1970.

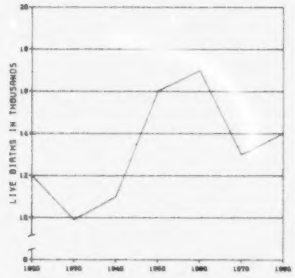
As 1980 was a census year, accurate age-group population figures are available for the calculation of fertility rates. The fertility rate is the number of live births per 1,000 women in the childbearing years, ages 15 to 44. Montana's fertility rate in 1980 was 78.0, probably the lowest in this century, and certainly lower than the previous recorded low of 86.3 in 1930. The 1980 fertility rate represents a 14 percent decrease from the 91.1 in 1970.

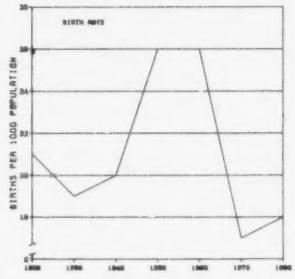
In 1980, the national fertility rate increased to its highest level since 1973. In 1973 and 1980, the national fertility rate was 69.2.

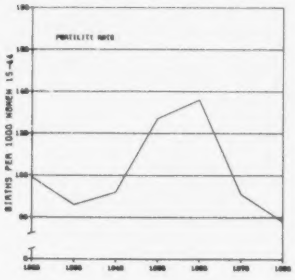
Generally, over the decade of the 70's, the number of births and the birth rate has increased in Montana, but the fertility rate has decreased because the increasing number of women of ages 15 to 44 has offset the increase in births. Montana is experiencing increasing











births because the population is increasing, but women in the child-bearing ages are delivering fewer children per woman.

The charts shown on the previous page permit comparisons of how population and number of births interact to affect birth and fertility rates.

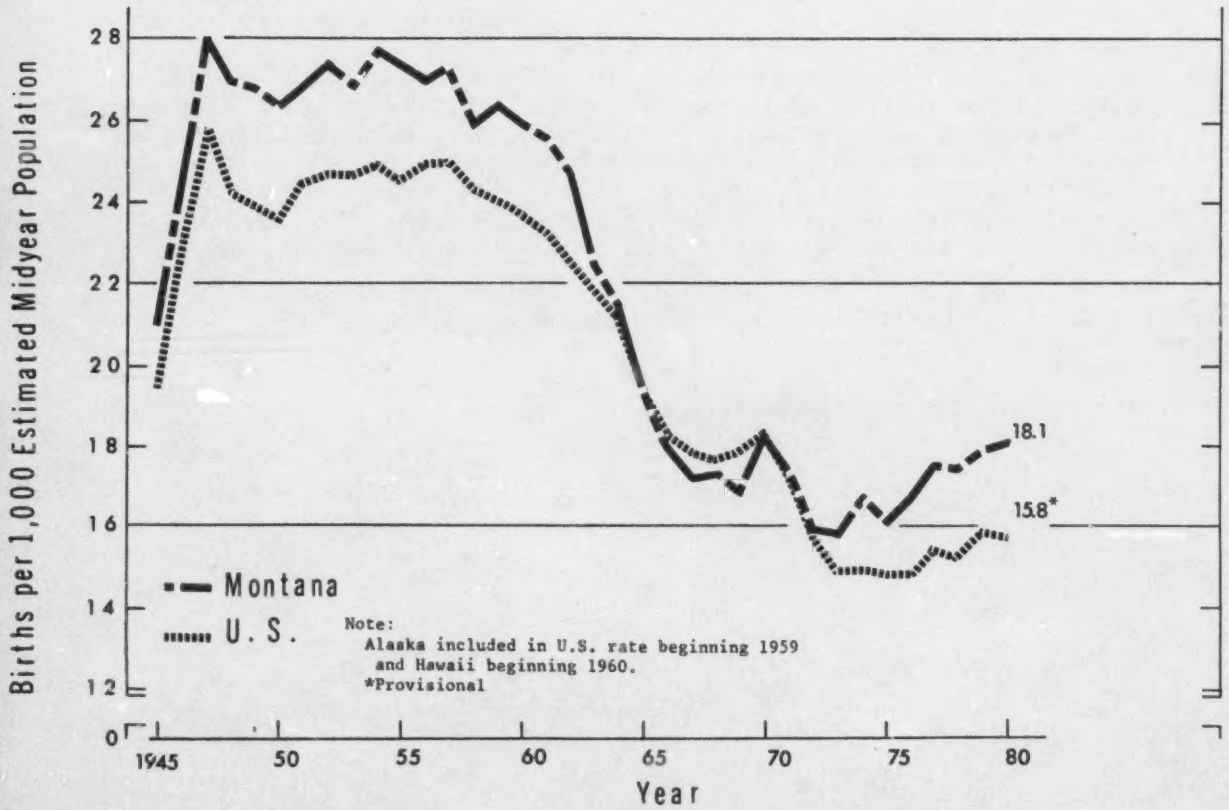
Multiple Births and Birth Order

There were 229 twins, 34 of which were Indian, and 15 triplets, all white, born in Montana in 1980.

Of the live births in 1980, 42.6 percent were first-birth-order children, and 33.5 percent were second-birth-order. These figures represent continued slight increases in first- and second-birth-order and, coupled with continued slight decreases in higher birth-order children (three or more), represent a continued trend toward smaller families in Montana.

CHART 3

CRUDE BIRTH RATES : Montana & U.S., 1945-80



Age, Race, Illegitimacy, and Birth Weight

Many factors associated with births are of interest to various professional communities. Of these factors, race, birth weight, mother's age, and legitimacy are of current interest to sociologists and health care professionals.

Montana's out-of-wedlock birth ratio continued to increase in 1980, reflecting a national trend. Montana's ratio was 125.0, which is still well below the national ratio. The latest figure available for the United States is for 1979 when the ratio was 171.1.

The highest group-specific illegitimacy ratios in Montana occurred in the less than 18-year-old age group (594.3), and for Indians (447.9). The ratio for Indians in the less than 18-year-old age group was 790.9, 43 percent higher than for whites in the same age group.

It should be pointed out that all data regarding out-of-wedlock births for Montana are developed by inference. (See the discussion on Legitimacy under Limitations of These Data in the Introduction.) Out-of-wedlock births are a special concern because women pregnant out-of-wedlock tend to seek medical care later in pregnancy than do those pregnant in-wedlock. Infant death rates for children born out-of-wedlock are higher than for those born in-wedlock.

Of the 14,208 resident births, 799 (5.6 percent) were considered to be premature, or of low birth weight (less than 5 pounds 9 ounces). Of these births 11.9 percent were Indian while 87.4 percent were white, not disproportionate to the percent distribution of total births. Of the 95 premature Indian births, 69 percent were to women between the ages of 18 and 29, and 36 percent were inferred to be out-of-wedlock. For white children, the 698 premature births consisted of 81 percent born to women between the ages of 18 and 29, and 13 percent inferred out-of-wedlock.

TABLE 5

SUMMARY OF LIVE BIRTHS

MONTANA, 1980 AND 1979

BY PLACE OF RESIDENCE. EACH PERCENT HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST ONE-TENTH OF ONE PERCENT. HENCE, THE SUMS OF PARTS MAY DIFFER SLIGHTLY FROM THE TOTAL SHOWN.

ITEM	1980		1979	
	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL	14,208	100.0	14,057	100.0
SEX				
MALE	7,272	51.2	7,226	51.4
FEMALE	6,936	48.8	6,831	48.6
LEGITIMACY				
IN WEDLOCK	12,432	87.5	12,461	88.6
OUT OF WEDLOCK	1,776	12.5	1,596	11.4
MULTIPLE BIRTHS				
SINGLE	13,964	98.3	13,775	98.0
TWINS	229	1.6	276	2.0
TRIPLETS	15	0.1	6	0.0
LIVING CHILDREN				
FIRST CHILD	6,054	42.6	5,906	42.0
SECOND CHILD	4,761	33.5	4,624	32.9
THIRD CHILD	2,092	14.7	2,180	15.5
FOURTH CHILD	780	5.5	790	5.6
FIFTH CHILD	282	2.0	298	2.1
SIXTH CHILD	116	0.8	130	0.9
SEVENTH CHILD	62	0.4	59	0.4
EIGHTH CHILD	29	0.2	29	0.2
NINE OR MORE	31	0.2	41	0.3
NOT STATED	1	0.0		0.0

TABLE 6

NUMBER AND PERCENTAGE DISTRIBUTION OF LIVE BIRTHS BY ATTENDANT

MONTANA COUNTIES, 1980

BY PLACE OF OCCURRENCE

COUNTY	NUMBER ATTENDED BY-				PERCENTAGE ATTENDED BY-		
	TOTAL	BOA* AND IN HOSPITAL	PHYSICIAN NOT IN HOSPITAL	OTHER NOT IN HOSPITAL	BOA* AND IN HOSPITAL	PHYSICIAN NOT IN HOSPITAL	OTHER NOT IN HOSPITAL
MONTANA, TOTAL	13,874	13,638	84	152	98.3	0.6	1.1
BEAVERHEAD	67	67	-	-	100.0	0.0	0.0
BIG HORN	244	243	-	1	99.6	0.0	0.4
BLAINE	50	49	-	1	98.0	0.0	2.0
BROADWATER	24	23	1	-	95.8	4.2	0.0
CARBON	64	59	1	4	92.2	1.6	6.2
CARTER	16	16	-	-	100.0	0.0	0.0
CASCADE	1,677	1,665	5	7	99.3	0.3	0.4
CHOUTEAU	29	28	-	1	96.6	0.0	3.4
CUSTER	376	376	-	-	100.0	0.0	0.0
DANIELS	36	36	-	-	100.0	0.0	0.0
DAWSON	241	241	-	-	100.0	0.0	0.0
DEER LODGE	91	91	-	-	100.0	0.0	0.0
FALLON	33	33	-	-	100.0	0.0	0.0
FERGUS	242	240	-	2	99.2	0.0	0.8
FLATHEAD	1,105	1,049	47	9	94.9	4.3	0.8
GALLATIN	806	777	20	9	96.4	2.5	1.1
GARFIELD	8	7	-	1	87.5	0.0	12.5
GLACIER	249	248	1	-	99.6	0.4	0.0
GOLDEN VALLEY	-	-	-	-	0.0	0.0	0.0
GRANITE	1	-	-	1	0.0	0.0	100.0
HILL	522	522	-	-	100.0	0.0	0.0
JEFFERSON	2	-	-	2	0.0	0.0	100.0
JUDITH BASIN	1	-	-	1	0.0	0.0	100.0
LAKE	317	308	2	7	97.2	0.6	2.2
LEWIS & CLARK	828	823	-	5	99.4	0.0	0.6
LIBERTY	59	57	-	2	96.6	0.0	3.4
LINCOLN	227	215	-	12	94.7	0.0	5.3
MCCONE	17	17	-	-	100.0	0.0	0.0
MADISON	80	80	-	-	100.0	0.0	0.0
MEAGHER	20	20	-	-	100.0	0.0	0.0
MINERAL	41	39	-	2	95.1	0.0	4.9
MISSOULA	1,593	1,567	1	25	98.4	0.1	1.6
MUSSELSHELL	32	30	-	2	93.8	0.0	6.2
PARK	146	140	-	6	95.9	0.0	4.1
PETROLEUM	1	-	-	1	0.0	0.0	100.0
PHILLIPS	64	63	-	1	98.4	0.0	1.6
PONDERA	115	114	-	1	99.1	0.0	0.9
POWDER RIVER	1	-	-	1	0.0	0.0	100.0
POWELL	96	93	-	3	96.9	0.0	3.1
PRAIRIE	7	7	-	-	100.0	0.0	0.0
RAVALLI	252	238	-	14	94.4	0.0	5.6
RICHLAND	188	186	-	2	98.9	0.0	1.1
ROOSEVELT	191	190	1	-	99.5	0.5	0.0
ROSEBUD	16	15	-	1	93.8	0.0	6.2
SANDERS	58	55	-	3	94.8	0.0	5.2
SHERIDAN	94	93	1	-	98.9	1.1	0.0
SILVER BOW	752	750	-	2	99.7	0.0	0.3
STILLWATER	100	99	-	1	99.0	0.0	1.0
SWEET GRASS	38	36	-	2	94.7	0.0	5.3
TETON	84	78	2	4	92.9	2.4	4.8
TOOLE	73	72	-	1	98.6	0.0	1.4
TREASURE	-	-	-	-	0.0	0.0	0.0
VALLEY	186	183	1	2	98.4	0.5	1.1
WHEATLAND	21	21	-	-	100.0	0.0	0.0
WIBAUX	-	-	-	-	0.0	0.0	0.0
YELLOWSTONE	2,293	2,279	1	13	99.4	0.0	0.6

* BORN ON ARRIVAL

TABLE 7

LIVE BIRTHS BY BIRTH WEIGHT GROUP
MONTANA COUNTIES, 1980

INFANTS BORN TO MOTHERS WHO WERE RESIDENTS
OF MONTANA AND BIRTH WEIGHT WAS GIVEN

	PREMATURE 5 LBS. 8 OZ. AND UNDER		MATURE OVER 5 LBS. 8 OZ.	
COUNTY	NUMBER	PERCENT	NUMBER	PERCENT
MONTANA, TOTAL	799	5.6	13,395	94.4
BEAVERHEAD	4	2.7	144	97.3
BIG HORN	20	7.0	267	93.0
BLAINE	11	7.2	141	92.8
BROADWATER	1	2.6	38	97.4
CARBON	7	5.1	131	94.9
CARTER	1	4.0	24	96.0
CASCADE	93	6.1	1,428	93.9
CHOUTEAU	3	3.0	96	97.0
CUSTER	7	3.1	222	96.9
DANIELS	-	0.0	41	100.0
DAWSON	7	3.1	219	96.9
DEER LODGE	13	8.4	142	91.6
FALLON	4	5.0	76	95.0
FERGUS	5	2.4	199	97.5
FLATHEAD	46	4.9	885	95.1
GALLATIN	33	4.8	653	95.2
GARFIELD	4	13.3	26	86.7
GLACIER	17	5.6	284	94.4
GOLDEN VALLEY	2	11.1	16	88.9
GRANITE	2	7.1	26	92.9
HILL	17	4.3	374	95.7
JEFFERSON	13	9.7	121	90.3
JUDITH BASIN	-	0.0	32	100.0
LAKE	18	5.0	340	95.0
LEWIS & CLARK	40	5.5	691	94.5
LIBERTY	4	7.0	53	93.0
LINCOLN	17	5.0	322	95.0
MCCONE	2	5.9	32	94.1
MADISON	4	4.9	77	95.1
MEAGHER	2	6.9	27	93.1
MINERAL	4	5.3	71	94.7
MISSOULA	98	7.1	1,285	92.9
MUSSELSHELL	2	2.6	74	97.4
PARK	9	4.2	206	95.8
PETROLEUM	-	0.0	18	100.0
PHILLIPS	11	10.6	93	89.4
PONDERA	7	5.3	124	94.7
POWDER RIVER	1	2.1	47	97.9
POWELL	7	6.9	95	93.1
PRAIRIE	1	5.9	16	94.1
RAVALLI	20	5.8	323	94.2
RICHLAND	10	3.4	285	96.6
ROOSEVELT	15	6.4	221	93.6
ROSEBUD	13	6.1	199	93.9
SANDERS	6	4.7	122	95.3
SHERIDAN	7	6.8	96	93.2
SILVER BOW	44	7.5	541	92.5
STILLWATER	5	6.1	77	93.9
SWEET GRASS	4	7.4	50	92.6
TETON	5	4.2	113	95.8
TOOLE	6	5.7	100	94.3
TREASURE	1	4.8	20	95.2
VALLEY	13	6.8	179	93.2
WHEATLAND	1	2.6	37	97.4
WIBAUX	-	0.0	24	100.0
YELLOWSTONE	112	5.7	1,852	94.3

TABLE 8

NUMBER AND PERCENT OF LIVE BORN INFANTS BY YEARS OF EDUCATION OF MOTHER AND NUMBER OF CHILDREN BORN ALIVE

MONTANA, 1980

MONTANA RESIDENTS DELIVERING IN MONTANA

EDUCATION OF MOTHER IN YEARS	NUMBER OF LIVE BORN CHILDREN											
	TOTAL	1	2	3	4	5	6	7	8	9	10+	NOT STATED
TOTAL												
NUMBER	13,776	5,835	4,549	2,069	772	288	130	61	34	14	24	-
PERCENT	100.0	42.4	33.0	15.0	5.6	2.1	0.9	0.4	0.2	0.1	0.2	0.0
UNDER 8 YEARS												
NUMBER	77	16	20	12	12	5	3	5	2	2	-	-
PERCENT	100.0	20.8	26.0	15.6	15.6	6.5	3.9	6.5	2.6	2.6	0.0	0.0
8 YEARS												
NUMBER	230	76	60	34	23	14	9	5	5	1	3	-
PERCENT	100.0	33.0	26.1	14.8	10.0	6.1	3.9	2.2	2.2	0.4	1.3	0.0
9 YEARS												
NUMBER	401	185	107	59	21	12	4	5	4	1	3	-
PERCENT	100.0	46.1	26.7	14.7	5.2	3.0	1.0	1.2	1.0	0.2	0.7	0.0
10 YEARS												
NUMBER	675	313	190	102	37	18	8	4	1	1	1	-
PERCENT	100.0	46.4	28.1	15.1	5.5	2.7	1.2	0.6	0.1	0.1	0.1	0.0
11 YEARS												
NUMBER	764	399	195	98	48	16	5	-	1	1	1	-
PERCENT	100.0	52.2	25.5	12.8	6.3	2.1	0.7	0.0	0.1	0.1	0.1	0.0
12 YEARS												
NUMBER	6,038	2,501	2,019	939	355	127	52	22	11	2	10	-
PERCENT	100.0	41.4	33.4	15.6	5.9	2.1	0.9	0.4	0.2	0.0	0.2	0.0
13 YEARS												
NUMBER	1,571	649	555	228	83	27	14	10	2	2	1	-
PERCENT	100.0	41.3	35.3	14.5	5.3	1.7	0.9	0.6	0.1	0.1	0.1	0.0
14 YEARS												
NUMBER	1,120	449	373	185	77	18	8	1	5	2	2	-
PERCENT	100.0	40.1	33.3	16.5	6.9	1.6	0.7	0.1	0.4	0.2	0.2	0.0
15 YEARS												
NUMBER	524	217	173	84	32	10	6	-	-	1	1	-
PERCENT	100.0	41.4	33.0	16.0	6.1	1.9	1.1	0.0	0.0	0.2	0.2	0.0
16 YEARS												
NUMBER	1,774	752	639	257	68	31	16	8	1	-	2	-
PERCENT	100.0	42.4	36.0	14.5	3.8	1.7	0.9	0.4	0.1	0.0	0.1	0.0
17+ YEARS												
NUMBER	558	263	204	63	15	10	3	-	-	-	-	-
PERCENT	100.0	47.1	36.6	11.3	2.7	1.8	0.5	0.0	0.0	0.0	0.0	0.0
NOT STATED												
NUMBER	44	15	14	8	1	-	2	1	2	1	-	-
PERCENT	100.0	34.1	31.8	18.2	2.3	0.0	4.5	2.3	4.5	2.3	0.0	0.0

DEATHS

HISTORICAL SERIES

DEATHS

During 1980 there were 6,664 resident deaths recorded, 193 more than in 1979. The 1980 death rate, 8.5 deaths per 1,000 population, was 3.7 percent higher than the rate for 1979, and ended the downward trend in the death rate that began in 1977. The Montana rate, however, continued to remain below the national rate. The National Center for Health Statistics reported a revised U.S. rate for 1980 of 8.7 deaths per 1,000 population.

Ninety-five percent of the deaths were to persons of the white race, and five percent were nonwhite. Characteristically, male deaths outnumbered female deaths 3,760 (56.4 percent) to 2,904 (43.6 percent). The nonwhite male rate (8.2) was 44 percent higher than the rate for nonwhite females (5.7), while the white male rate (9.7) was 29 percent higher than the rate for white females (7.5).

Leading Causes

Deaths assigned to the ten leading causes accounted for 85 percent of the total number of deaths in 1980. Diseases of the heart and cancer (malignant neoplasms) continued to rank as the top two leading causes. Accidents ranked third with stroke (cerebrovascular disease) a very close fourth. Obstructive pulmonary disease was ranked fifth. Pneumonia and influenza ranked sixth, a move up from seventh in 1979. Arteriosclerosis dropped one rank and moved to seventh place. Suicide and diabetes continued in eighth and ninth place respectively. Chronic liver disease and cirrhosis was tenth, replacing the category 'Certain conditions orginating in the perinatal period' which ranked tenth in 1979.

Race-Sex Specific Death Rates

Once every ten years it is possible to calculate race-sex specific death rates. The 1980 rate for white males (9.7) was 18.3 percent greater than for nonwhite males (8.2), while the white female rate (7.5) was 31.6 percent greater than the rate for nonwhite females (5.7). In reviewing similar data for the past forty years, the death rate for white males declined most rapidly during the decade of the 70's. According to Grove and Hetzel in Vital Statistics Rates in the United States, 1940-1960, based on three-year average rates centered on census years, the highest rate for white males was 12.1 white male deaths per 1,000 population during the time period 1939-41, and also for 1949-51. The rate declined slightly to 11.8 in the 1969-71 time period. The death rate for the nonwhite popu-

lation declined dramatically during the last forty years. A rate of 18.8 was noted for nonwhite males for the 1939-41 period, while nonwhite females displayed a correspondingly high rate of 17.4. A progressively lower rate was noted during the following decades for both nonwhite females and nonwhite males. The rate for white females, however, has remained almost constant during the forty-year period. The lowest rate was 7.2 in 1959-61 and the highest rate was 7.8 in 1939-41.

Cause-Specific Death Rates

With the 1980 census population data available, it was possible to produce rates that measure the loss in population to specific classes from a stated cause. Accidents appear as the leading cause of death for the nonwhite population. The nonwhite cause-specific accident rate was 144.0 per 100,000 population. Accidents ranked fourth as a cause of death for the white population. The rate for nonwhites was more than double the rate for whites (68.0). On the other hand, the cause-specific rate for heart disease for the white population (306.3) was more than twice that for nonwhites (139.7). The loss in population to pneumonia and influenza was about the same for both classes. The rate for whites was 24.5 compared to 25.8 for nonwhites. Comparable rates were also produced for four unrelated causes among whites and nonwhites. Cirrhosis of the liver for whites had the same rate as diabetes for nonwhites, and cancer deaths to nonwhites produced a rate of 70.9 compared to the stroke fatality rate of 72.7 for the white population. Suicide was ranked as the eighth leading cause for both classes, although the suicide rate for nonwhites (23.6) was 66.2 percent greater than for whites (14.2).

TEN LEADING CAUSES OF DEATH AMONG WHITE AND NONWHITE RACES: Montana, 1980
(By Place of Residence)

WHITE					NONWHITE				
Rank	Cause	Number	Rate*	Percent	Rank	Cause	Number	Rate*	Percent
	All Causes	6,340	856.6	100.0		All Causes	324	696.1	100.0
1.	Heart Disease	2,267	306.3	35.8	1.	Accidents	67	144.0	20.7
2.	Cancer	1,258	170.0	19.8	2.	Heart Disease	65	139.7	20.1
3.	Stroke	538	72.7	8.5	3.	Cancer	33	70.9	10.2
4.	Accidents	503	68.0	7.9	4.	Cirrhosis of liver	21	45.1	6.5
5.	Chronic Obstructive Pulmonary Diseases	257	34.7	4.1	5.	Stroke	19	40.8	5.9
6.	Pneumonia and Influenza	181	24.5	2.9	6.	Diseases of Infancy	14	30.1	4.3
7.	Arteriosclerosis	137	18.5	2.2	7.	Pneumonia and Influenza	12	25.8	3.7
8.	Suicide	105	14.2	1.7	8.	Suicide	11	23.6	3.4
9.	Diabetes	98	13.2	1.5	8.	Homicide	11	23.6	3.4
10.	Cirrhosis of liver	79	10.7	1.2	10.	Diabetes	5	10.7	1.5
	All other causes	917	123.9	14.5		All other causes	66	141.8	20.4

* Per 100,000 Population

Infant Deaths

A marked decrease is noted in the infant mortality rates in the past decade. The 1980 rate of 12.4 infant deaths per 1,000 live births represents a 42.3 percent decrease from the 1970 rate (21.5).

Fetal Deaths

There were 108 occurrences of fetal deaths recorded in Montana in 1980, a decrease of 7.7 percent from the 117 recorded in 1979. The count of resident events totaled 104, yielding the lowest fetal death ratio ever in Montana, 7.3 per 1,000 live births.

Maternal Deaths

Two maternal deaths were reported in 1980. This produced a rate of 14.1 maternal deaths per 100,000 live births. During the past decade, no maternal deaths were reported in 1971, 1973, or 1976.

Age-Specific Death Rates

An examination of the age-specific death rates for the years 1980, 1970, and 1960 reveals that the rates for all age groups but one have declined. Children under five years of age experienced the most rapid decline in mortality. A sharp drop in the number of infant deaths has been the primary contributing factor in the declining deaths rates for this age group.

The population comprised of persons 15-24 years of age has been experiencing an increase in mortality since 1960. The 1970 age-specific death rate for this age group (160.0) was 7.9 percent higher than the 1960 rate (148.3). The 1980 rate, increased to 166.8, representing a 4.25 percent increase compared with the 1970 rate. An increase in the number of deaths due to external injury is the main reason for the increase in the death rates. Deaths due to external injury accounted for 79.9 percent of total deaths to this age group in 1960, 82.1 percent in 1970, and 84.3 percent in 1980.

AGE-SPECIFIC RESIDENT DEATH RATES:
Montana, 1980, 1970, and 1960

Age Group	1980 Rate*	1970 Rate*	1960 Rate*
All Ages	847.1	950.0	967.0
Under 5 years	327.4	557.4	613.7
5 to 14 years	34.2	47.7	50.0
15 to 24 years	166.8	160.0	148.3
25 to 44 years	173.9	246.0	255.1
45 to 64 years	927.4	1,073.8	1,124.4
65+ years	5,243.7	5.989.6	6,077.7

* Per 100,000 population.

TABLE 9

DEATHS BY CAUSE, SEX, AND COLOR

MONTANA, 1980

BY PLACE OF RESIDENCE

INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
	ALL CAUSES	6,664	3,569	191	2,771	133
001-139	INFECTIOUS AND PARASITIC DISEASES	36	16	3	15	2
001-009	INTESTINAL INFECTIOUS DISEASES	1	-	-	-	1
003	OTHER SALMONELLA INFECTIONS	1	-	-	-	1
010-018	TUBERCULOSIS	5	1	2	2	-
011	PULMONARY TUBERCULOSIS	5	1	2	2	-
030-041	OTHER BACTERIAL DISEASES	16	5	1	10	-
038	SEPTICEMIA	14	3	1	10	-
040	OTHER BACTERIAL DISEASES	1	1	-	-	-
041	BACTERIAL INFECTION OF UNSPECIFIED NATURE OR SITE	1	1	-	-	-
045-049	POLIOMYELITIS & OTHER NON-ARTHROPOD-BORNE VIRAL DISEASES OF CNS	4	2	-	1	1
046	SLOW VIRUS INFECTION OF CENTRAL NERVOUS SYSTEM	1	1	-	-	-
049	OTHER NON-ARTHROPOD-BORNE VIRAL DISEASES	3	1	-	1	1
050-057	VIRAL DISEASES ACCOMPANIED BY EXANTHEM	3	3	-	-	-
053	HERPES ZOSTER	3	3	-	-	-
070-079	OTHER DISEASES DUE TO VIRUSES AND CHLAMYDIAE	6	4	-	2	-
070	VIRAL HEPATITIS	1	1	-	-	-
079	INFECTION OF UNSPECIFIED NATURE OR SITE	5	3	-	2	-
137-139	LATE EFFECTS OF INFECTIOUS AND PARASITIC DISEASES	1	1	-	-	-
137	TUBERCULOSIS	1	1	-	-	-
140-239	NEOPLASMS	1,301	733	15	534	19
140-149	MALIGNANT NEOPLASM OF LIP, ORAL CAVITY AND PHARYNX	17	12	1	4	-
141	TONGUE	5	4	-	1	-
142	MAJOR SALIVARY GLANDS	1	1	-	-	-
144	FLOOR OF MOUTH	2	2	-	-	-
145	OTHER AND UNSPECIFIED PARTS OF MOUTH	3	-	-	3	-
146	OROPHARYNX	1	1	-	-	-
147	NASOPHARYNX	1	-	1	-	-
149	PHARYNX	4	4	-	-	-
150-159	MALIGNANT NEOPLASM OF DIGESTIVE ORGANS AND PERITONEUM	357	192	2	157	6
150	OF ESOPHAGUS	28	26	-	2	-
151	OF STOMACH	33	16	-	16	1
152	SMALL INTESTINE, INCLUDING DUODENUM	3	-	-	3	-
153	COLON	136	68	1	67	-
154	RECTUM, RECTOSIGMOID JUNCTION AND ANUS	29	13	1	13	2
155	LIVER AND INTRAHEPATIC BILE DUCTS	15	11	-	4	-
156	GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	17	3	-	12	2
157	PANCREAS	85	49	-	35	1
158	RETROPERITONEUM AND PERITONEUM	2	2	-	-	-
159	ILL-DEFINED SITES WITHIN THE DIGESTIVE ORGANS AND PERITONEUM	9	4	-	5	-
160-165	MALIGNANT NEOPLASM OF RESPIRATORY AND INTRATHORACIC ORGANS	327	242	6	75	4
161	LARYNX	10	7	-	3	-
162	TRACHEA, BRONCHUS AND LUNG	312	232	5	71	4
163	PLEURA	3	2	1	-	-
164	THYMUS, HEART AND MEDIASTINUM	1	1	-	-	-

TABLE 9

DEATHS BY CAUSE, SEX, AND COLOR

MONTANA, 1980

BY PLACE OF RESIDENCE

INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
165	ILL-DEFINED SITES WITHIN THE RESPIRATORY SYSTEM	1	-	-	1	-
170-175	MALIGNANT NEOPLASM OF BONE, CONNECTIVE TISSUE, SKIN AND BREAST	127	19	-	104	4
170	BONE AND ARTICULAR CARTILAGE	2	2	-	-	-
171	CONNECTIVE AND OTHER SOFT TISSUE	4	3	-	1	-
172	MALIGNANT MELANOMA OF SKIN	18	10	-	8	-
173	OTHER MALIGNANT NEOPLASM OF SKIN	5	4	-	1	-
174	FEMALE BREAST	98	-	-	94	4
179-189	MALIGNANT NEOPLASM OF GENITOURINARY ORGANS	221	136	2	80	3
179	UTERUS, PART UNSPECIFIED	10	-	-	10	-
180	CERVIX UTERI	15	-	-	13	2
181	PLACENTA	1	-	-	-	1
182	BODY OF UTERUS	4	-	-	4	-
183	OVARY AND OTHER UTERINE ADNEXA	34	-	-	34	-
184	OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	2	-	-	2	-
185	PROSTATE	91	89	2	-	-
186	TESTIS	2	2	-	-	-
187	PENIS AND OTHER MALE GENITAL ORGANS	1	1	-	-	-
188	BLADDER	32	23	-	9	-
189	KIDNEY AND OTHER UNSPECIFIED URINARY ORGANS	29	21	-	8	-
190-199	MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED SITES	116	64	2	50	-
191	BRAIN	31	26	-	5	-
193	THYROID GLAND	2	1	1	-	-
194	OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	4	4	-	-	-
195	ILL-DEFINED SITES	10	2	-	8	-
199	MALIGNANT NEOPLASM WITHOUT SPECIFICATION OF SITE	69	31	1	37	-
200-208	MALIGNANT NEOPLASM OF LYMPHATIC AND HEMATOPOIETIC TISSUE	126	63	2	60	1
200	LYMPHOSARCOMA AND RETICULOSARCOMA	15	5	-	10	-
201	HODGKIN'S DISEASE	5	3	-	2	-
202	OTHER MALIGNANT NEOPLASM OF LYMPHOID AND HISTIOCYTIC TISSUE	32	18	-	14	-
203	MULTIPLE MYELOMA AND IMMUNOPROLIFERATIVE NEOPLASMS	22	13	-	8	1
204	LYMPHOID LEUKEMIA	16	6	-	10	-
205	MYELOID LEUKEMIA	27	14	2	11	-
206	MONOCYTIC LEUKEMIA	2	-	-	2	-
208	LEUKEMIA OF UNSPECIFIED CELL TYPE	7	4	-	3	-
210-229	BENIGN NEOPLASMS	4	1	-	2	1
211	OTHER PARTS OF DIGESTIVE SYSTEM	1	-	-	1	-
225	BRAIN AND OTHER PARTS OF NERVOUS SYSTEM	1	1	-	-	-
228	HEMANGIOMA AND LYMPHANGIOMA, ANY SITE	2	-	-	1	1
235-238	NEOPLASMS OF UNCERTAIN BEHAVIOR	1	1	-	-	-
238	OTHER AND UNSPECIFIED SITES AND TISSUES	1	1	-	-	-
239-239	NEOPLASMS OF UNSPECIFIED NATURE	5	3	-	2	-
239	NEOPLASM OF UNSPECIFIED NATURE	5	3	-	2	-
240-279	ENDOCRINE, NUTRITIONAL & METABOLIC DISEASES & IMMUNITY DISORDERS	140	59	-	73	8
240-246	DISORDERS OF THYROID GLAND	2	1	-	-	1
244	ACQUIRED HYPOTHYROIDISM	2	1	-	-	1
250-259	DISEASES OF OTHER ENDOCRINE GLANDS	107	44	-	57	6

TABLE 9

DEATHS BY CAUSE, SEX, AND COLOR

MONTANA, 1980

BY PLACE OF RESIDENCE

INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
250	DIABETES MELLITUS	103	43	-	55	5
255	DISORDERS OF ADRENAL GLANDS	3	1	-	1	1
259	OTHER ENDOCRINE DISORDERS	1	-	-	1	-
260-269	NUTRITIONAL DEFICIENCIES	13	7	-	6	-
261	NUTRITIONAL MARASMUS	1	-	-	1	-
263	OTHER AND UNSPECIFIED PROTEIN-CALORIE MALNUTRITION	12	7	-	5	-
270-279	OTHER METABOLIC DISORDERS & IMMUNITY DISORDERS	18	7	-	10	1
270	AMINO-ACID TRANSPORT AND METABOLISM	1	-	-	1	-
276	FLUID, ELECTROLYTE AND ACID-BASE BALANCE	7	5	-	2	-
277	OTHER AND UNSPECIFIED DISORDERS OF METABOLISM	3	-	-	3	-
278	OBESITY AND OTHER HYPERALIMENTATION	5	2	-	3	-
279	DISORDERS INVOLVING THE IMMUNE MECHANISM	2	-	-	1	1
280-289	DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	19	7	1	10	1
280-289	DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	19	7	1	10	1
281	OTHER DEFICIENCY ANEMIAS	1	-	-	1	-
283	ACQUIRED HEMOLYTIC ANEMIAS	1	-	-	-	1
284	APLASTIC ANEMIA	3	-	-	3	-
285	OTHER AND UNSPECIFIED ANEMIAS	3	1	-	2	-
286	COAGULATION DEFECTS	7	3	1	3	-
287	PURPURA AND OTHER HEMORRHAGIC CONDITIONS	1	1	-	-	-
289	OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	3	2	-	1	-
290-319	MENTAL DISORDERS	57	25	6	23	3
290-294	ORGANIC PSYCHOTIC CONDITIONS	10	4	1	5	-
290	SENILE AND PRESENILE ORGANIC PSYCHOTIC CONDITIONS	6	3	-	3	-
291	ALCOHOLIC PSYCHOSES	3	1	1	1	-
294	OTHER ORGANIC PSYCHOTIC CONDITIONS	1	-	-	1	-
295-299	OTHER PSYCHOSES	3	1	-	2	-
297	PARANOID STATES	1	-	-	1	-
298	OTHER NONORGANIC PSYCHOSES	2	1	-	1	-
300-316	NEUROSES, PERSONALITY DISORDERS & OTHER NON-PSYCHOTIC MENTAL DISORDERS	43	20	5	15	3
303	ALCOHOL DEPENDENCE SYNDROME	25	13	4	7	1
304	DRUG DEPENDENCE	1	-	-	-	1
305	NONDEPENDENT ABUSE OF DRUGS	4	1	1	1	1
307	SPECIAL SYMPTOMS OR SYNDROMES NOT ELSEWHERE CLASSIFIED	1	-	-	1	-
310	SPECIFIC NONPSYCHOTIC MENTAL DISORDERS AFTER ORGANIC BRAIN DAMAGE	12	6	-	6	-
317-319	MENTAL RETARDATION	1	-	-	1	-
319	UNSPECIFIED MENTAL RETARDATION	1	-	-	1	-
320-389	DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	94	51	3	36	4
320-326	INFLAMMATORY DISEASES OF THE CENTRAL NERVOUS SYSTEM	8	5	-	2	1
320	BACTERIAL MENINGITIS	4	2	-	2	-
322	MENINGITIS OF UNSPECIFIED CAUSE	1	1	-	-	-
323	ENCEPHALITIS, MYELITIS AND ENCEPHALOMYELITIS	1	1	-	-	-
324	INTRACRANIAL AND INTRASPINAL ABSCESS	2	1	-	-	1
330-337	HEREDITARY & DEGENERATIVE DISEASES OF THE CNS	45	25	1	19	-

TABLE 9

DEATHS BY CAUSE, SEX, AND COLOR

MONTANA, 1980

BY PLACE OF RESIDENCE

INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
331	OTHER CEREBRAL DEGENERATIONS	10	5	-	5	-
332	PARKINSON'S DISEASE	17	10	1	6	-
333	OTHER EXTRAPYRAMIDAL DISEASE AND ABNORMAL MOVEMENT DISORDERS	1	1	-	-	-
334	SPINOCEREBELLAR DISEASE	1	-	-	1	-
335	ANTERIOR HORN CELL DISEASE	15	8	-	7	-
336	OTHER DISEASES OF SPINAL CORD	1	1	-	-	-
340-349	OTHER DISORDERS OF THE CENTRAL NERVOUS SYSTEM	34	17	1	13	3
340	MULTIPLE SCLEROSIS	9	4	-	4	1
343	INFANTILE CEREBRAL PALSY	1	-	-	1	-
344	OTHER PARALYTIC SYNDROMES	1	-	-	1	-
345	EPILEPSY	17	11	1	3	2
348	OTHER CONDITIONS OF BRAIN	5	1	-	4	-
349	OTHER AND UNSPECIFIED DISORDERS OF THE NERVOUS SYSTEM	1	1	-	-	-
350-359	DISORDERS OF THE PERIPHERAL NERVOUS SYSTEM	6	3	1	2	-
357	INFLAMMATORY AND TOXIC NEUROPATHY	1	-	-	1	-
359	MUSCULAR DYSTROPHIES AND OTHER MYOPATHIES	5	3	1	1	-
360-379	DISORDERS OF THE EYE AND ADNEXA	1	1	-	-	-
362	OTHER RETINAL DISORDERS	1	1	-	-	-
390-459	DISEASES OF THE CIRCULATORY SYSTEM	3,159	1,607	56	1,465	31
390-392	ACUTE RHEUMATIC FEVER	1	1	-	-	-
391	RHEUMATIC FEVER WITH HEART INVOLVEMENT	1	1	-	-	-
393-398	CHRONIC RHEUMATIC HEART DISEASE	40	8	2	29	1
394	DISEASES OF MITRAL VALVE	16	3	1	11	1
395	DISEASES OF AORTIC VALVE	1	-	-	1	-
396	DISEASES OF MITRAL AND AORTIC VALVES	4	3	-	1	-
397	DISEASES OF OTHER ENDOCARDIAL STRUCTURES	4	-	-	4	-
398	OTHER RHEUMATIC HEART DISEASE	15	2	1	12	-
401-404	HYPERTENSIVE DISEASE	64	26	-	37	1
401	ESSENTIAL HYPERTENSION	4	2	-	2	-
402	HYPERTENSIVE HEART DISEASE	40	19	-	20	1
403	HYPERTENSIVE RENAL DISEASE	13	3	-	10	-
404	HYPERTENSIVE HEART AND RENAL DISEASE	7	2	-	5	-
410-414	ISCHEMIC HEART DISEASE	1,639	933	23	671	12
410	ACUTE MYOCARDIAL INFARCTION	1,010	619	15	370	6
411	OTHER ACUTE AND SUBACUTE FORM OF ISCHEMIC HEART DISEASE	4	3	-	1	-
413	ANGINA PECTORIS	3	2	-	1	-
414	OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	622	309	8	299	6
415-417	DISEASES OF PULMONARY CIRCULATION	49	24	-	25	-
415	ACUTE PULMONARY HEART DISEASE	42	22	-	20	-
416	CHRONIC PULMONARY HEART DISEASE	7	2	-	5	-
420-429	OTHER FORMS OF HEART DISEASE	556	278	18	252	8
420	ACUTE PERICARDITIS	3	2	-	1	-
421	ACUTE AND SUBACUTE ENDOCARDITIS	2	2	-	-	-
422	ACUTE MYOCARDITIS	1	-	-	1	-
424	OTHER DISEASES OF ENDOCARDIUM	26	10	-	16	-
425	CARDIOMYOPATHY	19	14	-	5	-
426	CONDUCTION DISORDERS	1	-	-	1	-
427	CARDIAC DYSRHYTHMIAS	178	96	13	66	3
428	HEART FAILURE	114	55	4	52	3
429	ILL-DEFINED DESCRIPTIONS & COMPLICATIONS OF HEART DISEASE	212	99	1	110	2
430-438	CEREBROVASCULAR DISEASE	557	218	10	320	9

TABLE 9

DEATHS BY CAUSE, SEX, AND COLOR

MONTANA, 1980

BY PLACE OF RESIDENCE

INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
430	SUBARACHNOID HEMORRHAGE.	22	8	-	14	-
431	INTRACEREBRAL HEMORRHAGE	40	22	3	13	2
432	OTHER AND UNSPECIFIED INTRACRANIAL HEMORRHAGE	3	-	-	2	1
433	OCCLUSION AND STENOSIS OF PRECEREBRAL ARTERIES	10	3	-	7	-
434	OCCLUSION OF CEREBRAL ARTERIES	112	45	4	60	3
435	TRANSIENT CEREBRAL ISCHEMIA.	1	1	-	-	-
436	ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE.	280	105	3	170	2
437	OTHER AND ILL-DEFINED CEREBROVASCULAR DISEASE.	76	27	-	48	1
438	LATE EFFECTS OF CEREBROVASCULAR DISEASE.	13	7	-	6	-
440-448	DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES.	218	93	2	123	-
440	ATHEROSCLEROSIS.	139	50	2	87	-
441	AORTIC ANEURYSM.	58	36	-	22	-
442	OTHER ANEURYSM	5	3	-	2	-
443	OTHER PERIPHERAL VASCULAR DISEASE.	3	1	-	2	-
444	ARTERIAL EMBOLISM AND THROMBOSIS	5	1	-	4	-
446	POLYARTERITIS NODOSA AND ALLIED CONDITIONS	3	-	-	3	-
447	OTHER DISORDERS OF ARTERIES AND ARTERIOLES	4	2	-	2	-
448	DISEASES OF CAPILLARIES.	1	-	-	1	-
451-459	DISEASES OF VEINS & LYMPHATICS, & OTHER DIS. OF CIRCULATORY SYSTEM.	35	26	1	8	-
451	PHLEBITIS AND THROMBOPHLEBITIS	8	5	-	3	-
452	PORTAL VEIN THROMBOSIS	1	1	-	-	-
453	OTHER VENOUS EMBOLISM AND THROMBOSIS	2	-	-	2	-
456	VARICOSE VEINS OF OTHER SITES.	1	1	-	-	-
458	HYPOTENSION.	1	1	-	-	-
459	OTHER DISORDERS OF CIRCULATORY SYSTEM.	22	18	1	3	-
460-519	DISEASES OF THE RESPIRATORY SYSTEM	507	313	7	173	14
460-466	ACUTE RESPIRATORY INFECTIONS	5	4	1	-	-
464	ACUTE LARYNGITIS AND TRACHEITIS.	2	2	-	-	-
466	ACUTE BRONCHITIS AND BRONCHIOLITIS	3	2	1	-	-
480-487	PNEUMONIA AND INFLUENZA.	193	91	5	90	7
480	VIRAL PNEUMONIA.	3	1	-	2	-
481	PNEUMOCOCCAL PNEUMONIA	12	4	2	4	2
482	OTHER BACTERIAL PNEUMONIA.	10	6	2	2	-
485	BRONCHOPNEUMONIA, ORGANISM UNSPECIFIED	29	12	1	16	-
486	PNEUMONIA, ORGANISM UNSPECIFIED.	115	61	-	50	4
487	INFLUENZA.	24	7	-	16	1
490-496	CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS.	262	183	1	74	4
491	CHRONIC BRONCHITIS	15	11	-	4	-
492	EMPHYSEMA.	69	48	1	18	2
493	ASTHMA	18	9	-	9	-
494	BRONCHIECTASIS	2	1	-	1	-
495	EXTRINSIC ALLERGIC ALVEOLITIS.	1	1	-	-	-
496	CHRONIC AIRWAYS OBSTRUCTION, NOT ELSEWHERE CLASSIFIED	157	113	-	42	2
500-508	PNEUMOCONIOSES AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENTS.	10	7	-	3	-
500	COALWORKERS' PNEUMOCONIOSIS.	1	1	-	-	-
502	PNEUMOCONIOSIS DUE TO OTHER SILICA OR SILICATES	1	1	-	-	-
505	PNEUMOCONIOSIS, UNSPECIFIED.	1	-	-	1	-

TABLE 9

DEATHS BY CAUSE, SEX, AND COLOR

MONTANA, 1980

BY PLACE OF RESIDENCE

INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
507	PNEUMONITIS DUE TO SOLIDS AND LIQUIDS.	7	5	-	2	-
510-519	OTHER DISEASES OF RESPIRATORY SYSTEM	37	28	-	6	3
510	EMPYEMA.	2	2	-	-	-
511	PLEURISY	2	2	-	-	-
512	PNEUMOTHORAX	1	1	-	-	-
513	ABSCESS OF LUNG AND MEDIASTINUM.	1	1	-	-	-
514	PULMONARY CONGESTION AND HYPOSTASIS.	3	2	-	1	-
515	POSTINFLAMMATORY PULMONARY FIBROSIS.	9	7	-	2	-
516	OTHER ALVEOLAR AND PARIETOALVEOLAR PNEUMOPATHY.	1	-	-	1	-
518	OTHER DISEASES OF LUNG	12	9	-	-	3
519	OTHER DISEASES OF RESPIRATORY SYSTEM	6	4	-	2	-
520-579	DISEASES OF THE DIGESTIVE SYSTEM	290	129	17	130	14
520-529	DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS	1	-	-	1	-
522	DISEASES OF PULP AND PERIAPICAL TISSUES.	1	-	-	1	-
530-537	DISEASES OF ESOPHAGUS, STOMACH AND DUODENUM.	44	24	3	16	1
530	DISEASES OF ESOPHAGUS.	12	6	2	3	1
531	GASTRIC ULCER.	11	5	1	5	-
532	DUODENAL ULCER	9	6	-	3	-
533	PEPTIC ULCER, SITE UNSPECIFIED	6	4	-	2	-
535	GASTRITIS AND DUODENITIS	3	2	-	1	-
536	DISORDERS OF FUNCTION OF STOMACH	2	1	-	1	-
537	OTHER DISORDERS OF STOMACH AND DUODENUM.	1	-	-	1	-
540-543	APPENDICITIS	1	-	-	1	-
540	ACUTE APPENDICITIS	1	-	-	1	-
550-553	HERNIA OF ABDOMINAL CAVITY	11	4	-	7	-
550	INGUINAL HERNIA.	4	3	-	1	-
551	OTHER HERNIA OF ABDOMINAL CAVITY, WITH GANGRENE	1	-	-	1	-
552	OTHER WITH OBSTRUCTION, WITHOUT MENTION OF GANGRENE.	3	-	-	3	-
553	OTHER WITHOUT MENTION OF OBSTRUCTION OR GANGRENE	3	1	-	2	-
555-558	NONINFECTIVE ENTERITIS AND COLITIS	28	9	-	19	-
555	REGIONAL ENTERITIS	3	1	-	2	-
556	IDIOPATHIC PROCTOCOLITIS	1	1	-	-	-
557	VASCULAR INSUFFICIENCY OF INTESTINE.	19	5	-	14	-
558	OTHER NONINFECTIVE GASTROENTERITIS AND COLITIS.	5	2	-	3	-
560-569	OTHER DISEASES OF INTESTINES AND PERITONEUM.	38	14	1	23	-
560	INTESTINAL OBSTRUCTION WITHOUT MENTION OF HERNIA	24	10	1	13	-
562	DIVERTICULA OF INTESTINE	10	3	-	7	-
567	PERITONITIS.	1	1	-	-	-
568	OTHER DISORDERS OF PERITONEUM.	1	-	-	1	-
569	OTHER DISORDERS OF INTESTINE	2	-	-	2	-
570-579	OTHER DISEASES OF DIGESTIVE SYSTEM	167	78	13	63	13
570	ACUTE AND SUBACUTE NECROSIS OF LIVER	3	2	-	1	-
571	CHRONIC LIVER DISEASE AND CIRRHOSIS.	100	46	12	33	9
572	LIVER ABSCESS AND SEQUELAE OF CHRONIC LIVER DISEASE.	7	3	-	1	3
573	OTHER DISORDERS OF LIVER	5	4	-	1	-
574	CHOLELITHIASIS	8	4	-	4	-
575	OTHER DISORDERS OF GALLBLADDER	4	2	-	2	-
576	OTHER DISORDERS OF BILIARY TRACT	4	3	-	1	-
577	DISEASES OF PANCREAS	9	4	1	4	-

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INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
578	GASTROINTESTINAL HEMORRHAGE	26	10	-	15	1
579	INTESTINAL MALABSORPTION	1	-	-	1	-
580-629	DISEASES OF THE GENITOURINARY SYSTEM	68	41	1	24	2
580-589	NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS	43	25	1	16	1
580	ACUTE GLOMERULONEPHRITIS	1	-	-	1	-
581	NEPHROTIC SYNDROME	1	1	-	-	-
582	CHRONIC GLOMERULONEPHRITIS	5	4	-	1	-
584	ACUTE RENAL FAILURE	8	5	-	3	-
585	CHRONIC RENAL FAILURE	7	4	-	2	1
586	RENAL FAILURE, UNSPECIFIED	21	11	1	9	-
590-599	OTHER DISEASES OF URINARY SYSTEM	15	7	-	8	-
590	INFECTIONS OF KIDNEY	3	1	-	2	-
592	CALCULUS OF KIDNEY AND URETER	1	-	-	1	-
593	OTHER DISORDERS OF KIDNEY AND URETER	4	1	-	3	-
598	URETHRAL STRICTURE	2	2	-	-	-
599	OTHER DISORDERS OF URETHRA AND URINARY TRACT	5	3	-	2	-
600-608	DISEASES OF MALE GENITAL ORGANS	9	9	-	-	-
600	HYPERPLASIA OF PROSTATE	6	6	-	-	-
601	INFLAMMATORY DISEASES OF PROSTATE	1	1	-	-	-
602	OTHER DISORDERS OF PROSTATE	2	2	-	-	-
617-629	OTHER DISORDERS OF FEMALE GENITAL TRACT	1	-	-	-	1
620	NONINFLAM. DISORDERS OF OVARY, FALLOPIAN TUBE & BROAD LIGAMENT	1	-	-	-	1
630-676	COMPLICATIONS OF PREGNANCY CHILDBIRTH AND THE PUERPERIUM	2	-	-	2	-
630-638	PREGNANCY WITH ABORTIVE OUTCOME	1	-	-	1	-
633	ECTOPIC PREGNANCY	1	-	-	1	-
670-676	COMPLICATIONS OF THE PUERPERIUM	1	-	-	1	-
674	OTHER & UNSPECIFIED COMPLICATIONS OF THE PUERPERIUM, NEC	1	-	-	1	-
680-709	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	4	2	-	2	-
680-686	INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	2	-	-	2	-
682	OTHER CELLULITIS AND ABSCESS	2	-	-	2	-
690-698	OTHER INFLAMMATORY CONDITIONS OF SKIN AND SUBCUTANEOUS TISSUE	1	1	-	-	-
695	ERYTHEMATOUS CONDITIONS	1	1	-	-	-
700-709	OTHER DISEASES OF SKIN & SUBCUTANEOUS TISSUE	1	1	-	-	-
707	CHRONIC ULCER OF SKIN	1	1	-	-	-
710-739	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	28	12	-	15	1
710-719	ARTHROPATHIES AND RELATED DISORDERS	22	9	-	12	1
710	DIFFUSE DISEASES OF CONNECTIVE TISSUE	7	4	-	3	-
711	ARTHROPATHY ASSOCIATED WITH INFECTIONS	1	1	-	-	-
714	RHEUMATOID ARTHRITIS & OTHER INFLAMMATORY POLYARTHROPATHIES	11	2	-	8	1
715	OSTEOARTHROSIS AND ALLIED DISORDERS	2	1	-	1	-
716	OTHER AND UNSPECIFIED ARTHROPATHIES	1	1	-	-	-
725-729	RHEUMATISM, EXLUDING THE BACK	1	1	-	-	-
726	PERIPHERAL ENTHESOPATHIES AND ALLIED SYNDROMES	1	1	-	-	-

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INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
730-739	OSTEOPATHIES, CHONDROPATHIES & ACQUIRED MUSCULOSKELETAL DEFORMITIES	5	2	-	3	-
730	OSTEOMYELITIS, PERIOSTITIS AND OTHER INFECTIONS INVOLVING BONE	1	1	-	-	-
731	OSTEITIS DEFORMANS & OSTEOPATHIES ASSOC. WITH OTHER DISORDERS	2	-	-	2	-
733	OTHER DISORDERS OF BONE AND CARTILAGE.	1	1	-	-	-
737	CURVATURE OF SPINE	1	-	-	1	-
740-759	CONGENITAL ANOMALIES	43	21	2	19	1
740-759	CONGENITAL ANOMALIES	43	21	2	19	1
740	ANENCEPHALUS AND SIMILAR ANOMALIES	1	-	-	1	-
741	SPINA BIFIDA	2	1	-	1	-
742	OTHER CONGENITAL ANOMALIES OF NERVOUS SYSTEM	4	2	1	1	-
745	BULBUS CORDIS ANOMALIES AND ANOMALIES OF CARDIAC SEPTAL CLOSURE	7	4	-	3	-
746	OTHER CONGENITAL ANOMALIES OF HEART.	8	6	-	2	-
747	OTHER CONGENITAL ANOMALIES OF CIRCULATORY SYSTEM	2	-	-	2	-
748	CONGENITAL ANOMALIES OF RESPIRATORY SYSTEM	3	2	-	1	-
751	OTHER CONGENITAL ANOMALIES OF DIGESTIVE SYSTEM	3	-	-	2	1
756	OTHER CONGENITAL MUSCULOSKELETAL ANOMALIES.	2	-	1	1	-
758	CHROMOSOMAL ANOMALIES.	9	5	-	4	-
759	OTHER & UNSPECIFIED CONGENITAL ANOMALIES	2	1	-	1	-
760-779	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	88	32	4	42	10
760-779	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	88	32	4	42	10
760	MATERNAL CONDITIONS, MAY BE UNRELATED TO PRESENT PREGNANCY	1	-	1	-	-
761	MATERNAL COMPLICATIONS OF PREGNANCY.	5	-	-	5	-
762	COMPLICATIONS OF PLACENTA, CORD AND MEMBRANES.	7	3	-	4	-
763	OTHER COMPLICATIONS OF LABOR AND DELIVERY.	3	1	-	2	-
764	SLOW FETAL GROWTH AND FETAL MALNUTRITION	1	1	-	-	-
765	PREMATURITY.	12	3	-	5	4
767	BIRTH TRAUMA	7	1	-	4	2
768	INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA.	7	2	1	4	-
769	RESPIRATORY DISTRESS SYNDROME.	17	8	-	6	3
770	OTHER RESPIRATORY CONDITIONS OF FETUS AND NEWBORN.	10	4	1	4	1
771	INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	2	-	-	2	-
772	FETAL AND NEONATAL HEMORRHAGE.	5	2	-	3	-
777	PERINATAL DISORDERS OF DIGESTIVE SYSTEM.	1	1	-	-	-
778	CONDITIONS INVOLVING THE INTEGUMENT AND TEMPERATURE REGULATION	1	1	-	-	-
779	ILL-DEFINED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	9	5	1	3	-
780-799	SYMPTOMS, SIGNS AND ILL-DEFINED CONDITIONS	87	53	2	28	4
797-799	ILL-DEFINED AND UNKNOWN CAUSES OF MORBIDITY & MORTALITY.	87	53	2	28	4
797	SENILITY WITHOUT MENTION OF PSYCHOSIS.	7	2	-	5	-
798	SUDDEN DEATH, CAUSE UNKNOWN.	28	15	2	9	2
799	OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORBIDITY AND MORTALITY.	52	36	-	14	2

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INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
800-999	EXTERNAL CAUSES OF INJURY AND POISONING.	741	468	74	180	19
800-807	RAILWAY ACCIDENTS.	8	4	4	-	-
804	FALL IN, ON OR FROM RAILWAY TRAIN.	2	-	2	-	-
805	HIT BY ROLLING STOCK	6	4	2	-	-
810-819	MOTOR VEHICLE TRAFFIC ACCIDENTS.	299	181	32	75	11
810	COLLISION WITH TRAIN	10	7	1	2	-
812	INVOLVING COLLISION WITH ANOTHER MOTOR VEHICLE.	97	58	10	28	1
813	INVOLVING COLLISION WITH OTHER VEHICLE	4	2	-	2	-
814	INVOLVING COLLISION WITH PEDESTRIAN.	24	12	4	7	1
815	OTHER TRAFFIC ACCIDENT INVOLVING COLLISION ON THE HIGHWAY	48	31	3	10	4
816	LOSS OF CONTROL, WITHOUT COLLISION ON THE HIGHWAY.	114	71	14	24	5
818	OTHER NONCOLLISION TRAFFIC ACCIDENT	1	-	-	1	-
819	MOTOR VEHICLE TRAFFIC ACCIDENT OF UNSPECIFIED NATURE.	1	-	-	1	-
820-825	MOTOR VEHICLE NONTRAFFIC ACCIDENTS	12	7	3	2	-
822	INVOLVING COLLISION WITH MOVING OBJECT	7	4	1	2	-
823	INVOLVING COLLISION WITH STATIONARY OBJECT	1	1	-	-	-
825	NONTRAFFIC ACCIDENT OF OTHER AND UNSPECIFIED NATURE	4	2	2	-	-
826-829	OTHER ROAD VEHICLE ACCIDENTS	4	3	-	1	-
826	PEDAL CYCLE ACCIDENT	1	1	-	-	-
828	ACCIDENT INVOLVING ANIMAL BEING RIDDEN	3	2	-	1	-
830-838	WATER TRANSPORT ACCIDENTS.	9	6	-	3	-
830	ACCIDENT TO WATERCRAFT CAUSING SUBMERSION.	6	5	-	1	-
831	ACCIDENT TO WATERCRAFT CAUSING OTHER INJURY	2	1	-	1	-
832	OTHER ACCIDENTAL SUBMERSION OR DROWNING IN WATER TRANSPORT	1	-	-	1	-
840-845	AIR AND SPACE TRANSPORT ACCIDENTS.	29	20	-	9	-
840	ACCIDENT TO POWERED AIRCRAFT AT TAKEOFF OR LANDING	5	2	-	3	-
841	ACCIDENT TO POWERED AIRCRAFT, OTHER AND UNSPECIFIED.	21	15	-	6	-
842	ACCIDENT TO UNPOWERED AIRCRAFT	2	2	-	-	-
844	OTHER SPECIFIED AIR TRANSPORT ACCIDENTS.	1	1	-	-	-
850-858	ACCIDENTAL POISONING BY DRUGS, MEDICAMENTS & BIOLOGICALS.	6	3	-	3	-
850	BY ANALGESICS, ANTIPYRETICS, ANTIRHEUMATICS	3	1	-	2	-
855	BY OTHER DRUGS ACTING ON CENTRAL AND AUTONOMIC NERVOUS SYSTEMS	1	1	-	-	-
858	BY OTHER DRUGS	2	1	-	1	-
860-869	ACCIDENTAL POISONING BY OTHER SOLID & LIQUID SUBSTANCES, GASES & VAPORS	4	4	-	-	-
860	BY ALCOHOL, NEC.	1	1	-	-	-
868	BY OTHER UTILITY GAS AND OTHER CARBON MONOXIDE	3	3	-	-	-
870-876	MISADVENTURES TO PATIENTS DURING SURGICAL AND MEDICAL CARE	1	1	-	-	-
871	FOREIGN OBJECT LEFT IN BODY DURING PROCEDURE.	1	1	-	-	-
878-879	SURGICAL & MEDICAL PROCEDURES AS THE CAUSE OF ABNORMAL REACTION	1	1	-	-	-

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INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
878	SURGICAL OPERATION AND OTHER SURGICAL PROCEDURES	1	1	-	-	-
880-888	ACCIDENTAL FALLS	67	32	3	31	1
880	FALL ON OR FROM STAIRS OR STEPS	7	4	-	3	-
881	FALL ON OR FROM LADDERS OR SCAFFOLDING	2	2	-	-	-
882	FALL FROM OR OUT OF BUILDING OR OTHER STRUCTURE	6	4	-	2	-
884	OTHER FALL FROM ONE LEVEL TO ANOTHER	14	8	-	6	-
885	FALL ON SAME LEVEL FROM SLIPPING, TRIPPING OR STUMBLING	3	1	2	-	-
887	FRACTURE, CAUSE UNSPECIFIED	5	2	-	3	-
888	OTHER AND UNSPECIFIED FALL	30	11	1	17	1
890-899	ACCIDENTS CAUSED BY FIRE AND FLAMES	16	8	2	5	1
890	CONFLAGRATION IN PRIVATE DWELLING	16	8	2	5	1
900-909	ACCIDENTS DUE TO NATURAL AND ENVIRONMENTAL FACTORS	16	12	2	1	1
900	EXCESSIVE HEAT	1	1	-	-	-
901	EXCESSIVE COLD	11	7	2	1	1
905	VENOMOUS ANIMALS AND PLANTS	1	1	-	-	-
906	OTHER INJURY CAUSED BY ANIMALS	1	1	-	-	-
907	LIGHTNING	1	1	-	-	-
909	CATACLYSMIC EARTH SURFACE MOVEMENTS AND ERUPTIONS	1	1	-	-	-
910-915	ACCIDENTS CAUSED BY SUBMERSION, SUFFOCATION AND FOREIGN BODIES	45	29	3	12	1
910	ACCIDENTAL DROWNING AND SUBMERSION	27	21	1	4	1
911	INHALATION AND INGESTION OF FOOD CAUSING OBSTRUCTION OR SUFFOCATION	8	4	1	3	-
912	INHALATION & ING. OF OTHER OBJECT CAUSING OBSTRUCTION OR SUFFOCATION	7	3	1	3	-
913	ACCIDENTAL MECHANICAL SUFFOCATION	3	1	-	2	-
916-928	OTHER ACCIDENTS	51	41	3	7	-
916	STRUCK ACCIDENTALLY BY FALLING OBJECT	11	8	1	2	-
917	STRIKING AGAINST OR STRUCK ACCIDENTALLY BY OBJECTS OR PERSONS	2	1	-	1	-
918	CAUGHT ACCIDENTALLY IN OR BETWEEN OBJECTS	1	1	-	-	-
919	ACCIDENTS CAUSED BY MACHINERY	9	9	-	-	-
920	CAUSED BY CUTTING & PIERCING INSTRUMENTS OR OBJECTS	3	3	-	-	-
922	CAUSED BY FIREARM MISSILE	10	7	1	2	-
923	CAUSED BY EXPLOSIVE MATERIAL	5	5	-	-	-
924	HOT SUBSTANCE OR OBJECT, CORROSIVE MATERIAL AND STEAM	2	1	-	1	-
925	ACCIDENT CAUSED BY ELECTRIC CURRENT	3	2	-	1	-
927	OVEREXERTION AND STRENUOUS MOVEMENTS	1	1	-	-	-
928	OTHER AND UNSPECIFIED ENVIRONMENTAL AND ACCIDENTAL CAUSES	4	3	1	-	-
929-929	LATE EFFECTS OF ACCIDENTAL INJURY	2	1	-	1	-
929	LATE EFFECTS OF ACCIDENTAL INJURY	2	1	-	1	-
950-959	SUICIDE AND SELFINFLICTED INJURY	116	85	8	20	3
950	SELFINFLICTED POISONING BY SOLID OR LIQUID SUBSTANCES	6	-	1	5	-
952	SELFINFLICTED POISONING BY OTHER GASES AND VAPORS	9	7	-	2	-
953	SELFINFLICTED INJURY BY HANGING, STRANGULATION AND SUFFOCATION	12	8	2	2	-
954	SELFINFLICTED INJURY BY SUBMERSION (DROWNING)	1	-	-	1	-
955	SELFINFLICTED INJURY BY FIREARMS AND EXPLOSIVES	85	68	4	10	3

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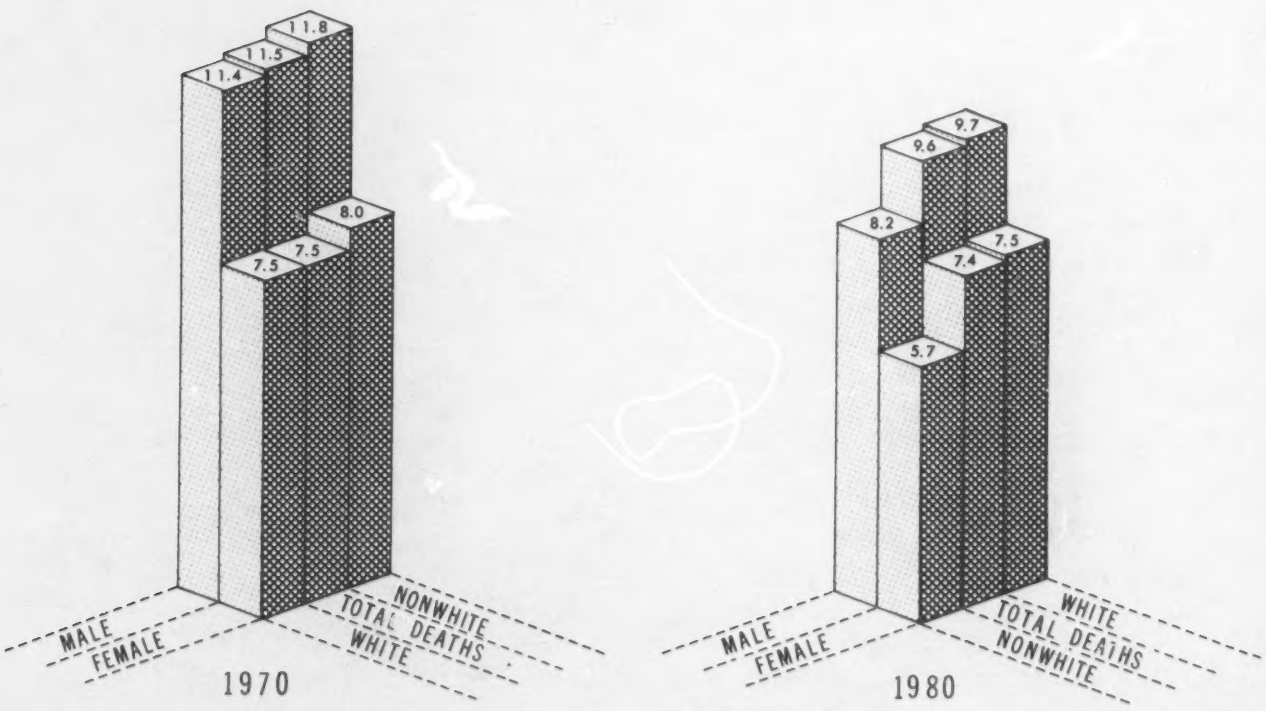
INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
956	SELFINFLICTED INJURY BY CUTTING AND PIERCING INSTRUMENTS	1	1	-	-	-
958	SELFINFLICTED INJURY BY OTHER AND UNSPECIFIED MEANS	2	1	1	-	-
960-969	HOMICIDE AND INJURY PURPOSELY INFLICTED BY OTHER PERSONS	40	20	11	9	-
963	ASSAULT BY HANGING AND STRANGULATION	4	1	-	3	-
965	ASSAULT BY FIREARMS AND EXPLOSIVES	23	13	6	4	-
966	ASSAULT BY CUTTING & PIERCING INSTRUMENT	6	3	3	-	-
967	CHILD BATTERING AND OTHER MALTREATMENT	1	-	-	1	-
968	ASSAULT BY OTHER AND UNSPECIFIED MEANS	6	3	2	1	-
970-978	LEGAL INTERVENTION	1	1	-	-	-
970	INJURY DUE TO LEGAL INTERVENTION BY FIREARMS	1	1	-	-	-
980-989	INJURY UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	14	9	3	1	1
982	POISONING BY OTHER GASES	3	2	-	1	-
985	INJURY BY FIREARMS AND EXPLOSIVES	4	4	-	-	-
986	INJURY BY CUTTING AND PIERCING INSTRUMENTS	1	1	-	-	-
988	INJURY BY OTHER AND UNSPECIFIED MEANS	6	2	3	-	1

CHART 4

DEATH RATES BY SEX AND RACE: Montana, 1970 & 1980

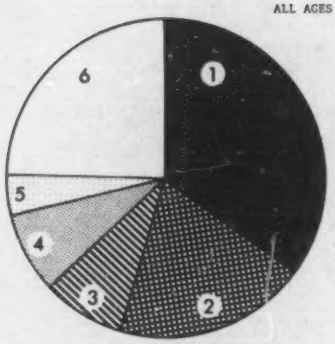


Note: Axis concerning race has been reversed.

Table 10

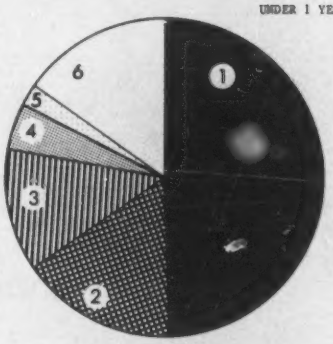
LEADING CAUSES OF DEATH BY AGE GROUP
Montana, 1980
(By Place of Residence)

ALL AGES



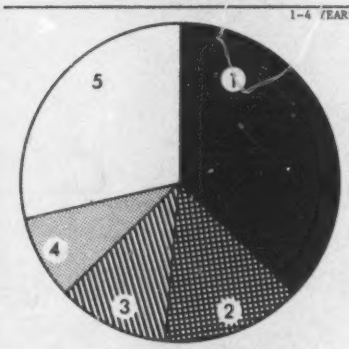
Cause of Death	Number of Deaths
1. Heart Disease	2,332
2. Cancer	1,291
3. Accidents	570
4. Stroke	557
5. Chronic Obstructive Pulmonary Diseases	262
6. Other Causes	1,652
Total Deaths	6,664

UNDER 1 YEAR



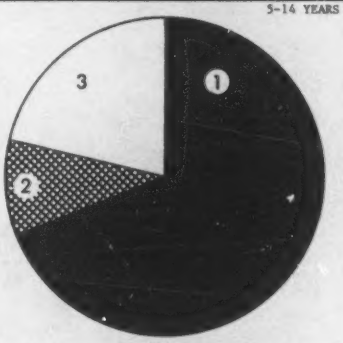
Cause of Death	Number of Deaths
1. Diseases of Early Infancy	87
2. Congenital Anomalies	28
3. Sudden Infant Death	22
4. Accidents	8
5. Pneumonia & Influenza	4
6. Other Causes	27
Total Deaths	176

1-4 YEARS



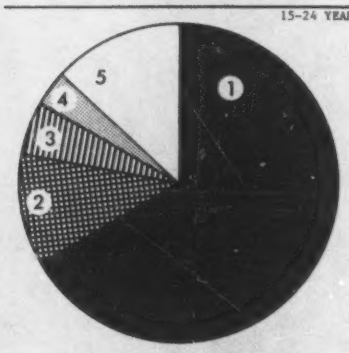
Cause of Death	Number of Deaths
1. Accidents	13
2. Congenital Anomalies	5
3. Cancer	4
4. Heart Disease	3
5. Other Causes	10
Total Deaths	35

5-14 YEARS



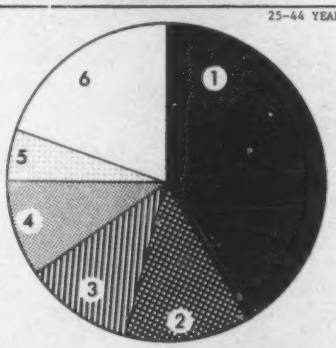
Cause of Death	Number of Deaths
1. Accidents	29
2. Cancer	4
3. Other Causes	9
Total Deaths	42

15-24 YEARS



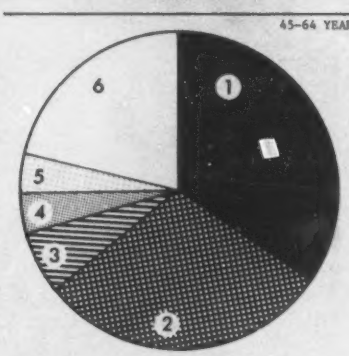
Cause of Death	Number of Deaths
1. Accidents	165
2. Suicide	28
3. Homicide	13
4. Cancer	9
5. Other Causes	33
Total Deaths	248

25-44 YEARS



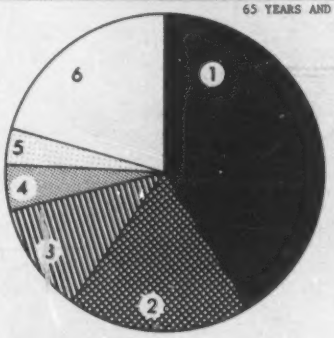
Cause of Death	Number of Deaths
1. Accidents	159
2. Cancer	49
3. Suicide	43
4. Heart Disease	38
5. Homicide	20
6. Other Causes	76
Total Deaths	385

45-64 YEARS



Cause of Death	Number of Deaths
1. Heart Disease	465
2. Cancer	395
3. Accidents	86
4. Cirrhosis of Liver	58
5. Chronic Obstructive Pulmonary Diseases	53
6. Other Causes	287
Total Deaths	1,344

65 YEARS AND OVER



Cause of Death	Number of Deaths
1. Heart Disease	1,820
2. Cancer	829
3. Stroke	499
4. Chronic Obstructive Pulmonary Diseases	207
5. Pneumonia & Influenza	166
6. Other Causes	913
Total Deaths	4,434

TABLE 11

DEATHS FROM SELECTED ACCIDENTS BY AGE
MONTANA, 1980

BY PLACE OF OCCURRENCE. EACH PERCENT HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST ONE-TENTH OF ONE PERCENT; HENCE, THE SUMS OF PARTS MAY DIFFER SLIGHTLY FROM THE TOTALS SHOWN.

NINTH REVISION INTERNATIONAL LIST NUMBER	ACCIDENTAL CAUSE OF DEATH	TOTAL ALL AGES	UNDER 1 YEAR	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65 AND OVER	AGE NOT STATED
		NUMBER												
	TOTAL DEATHS, ALL CAUSES	6,580	145	30	17	18	126	129	221	173	419	892	4,410	-
	ACCIDENTAL DEATHS, TOTAL	606	7	11	16	11	87	87	118	58	46	51	114	-
810-825	MOTOR VEHICLE, TOTAL	346	-	5	6	6	64	62	84	37	20	29	33	-
800-807,826-949	OTHER ACCIDENTS, TOTAL	260	7	6	10	5	23	25	34	21	26	22	81	-
800-807,826-848	OTHER TRANSPORTATION, TOTAL	53	1	-	-	-	2	7	14	10	11	4	4	-
840-845	AIRCRAFT	31	1	-	-	-	2	3	10	5	7	3	-	-
800-807,826-838														
846-848	OTHER	22	-	-	-	-	-	4	4	5	4	1	4	-
850-866	POISONING BY SOLIDS AND LIQUIDS, TOTAL	7	-	-	-	-	-	2	-	-	3	2	-	-
850-858	DRUGS AND MEDICATIONS	6	-	-	-	-	-	2	-	-	2	2	-	-
860-866	OTHER	1	-	-	-	-	-	-	-	-	1	-	-	-
867-869	POISONING BY GASES, TOTAL	3	-	-	-	-	-	-	1	1	-	1	-	-
867-8681	UTILITY GAS	-	-	-	-	-	-	-	-	-	-	-	-	-
8682-8699	OTHER	3	-	-	-	-	-	-	1	1	-	1	-	-
880-888	FALLS, TOTAL	66	-	-	-	-	2	2	4	2	3	4	49	-
880	ON OR FROM STAIRS	7	-	-	-	-	-	-	1	-	-	-	6	-
881	ON OR FROM LADDER	2	-	-	-	-	-	-	1	-	-	-	1	-
882	FROM OR OUT OF BUILDING	7	-	-	-	-	-	2	1	-	2	1	1	-
883	INTO OPENING IN SURFACE	-	-	-	-	-	-	-	-	-	-	-	-	-
884	ONE LEVEL TO ANOTHER	13	-	-	-	-	2	-	1	-	-	-	10	-
885-886	SAME LEVEL	2	-	-	-	-	-	-	-	1	-	-	1	-
887-888	FRACTURE OR FALL, UNSPECIFIED	35	-	-	-	-	-	-	-	1	1	3	30	-
890-899	FIRE AND FLAMES, TOTAL	14	-	-	-	-	3	-	2	-	1	3	5	-
923	EXPLOSIONS, TOTAL	5	-	-	-	-	-	1	1	1	2	-	-	-
922	INJURY BY FIREARMS, TOTAL	10	-	-	1	-	2	2	3	1	1	-	-	-
910	DROWNING, TOTAL	31	1	3	5	2	9	3	4	-	-	1	3	-
916	STRUCK BY FALLING OBJECT, TOTAL	10	-	-	2	1	-	2	2	-	1	1	1	-
919	MACHINERY, TOTAL	8	-	-	-	-	-	3	1	1	-	1	2	-
870-879,900-909														
911-915,917-918														
920-921,924-949	OTHER ACCIDENTS, TOTAL	53	5	3	2	2	5	3	2	5	4	5	17	-
		PERCENT OF DEATHS FROM CAUSES												
	ACCIDENTAL DEATHS, TOTAL	9.2	4.8	36.7	94.1	61.1	69.0	67.4	53.4	33.5	11.0	5.7	2.6	0.0
810-825	MOTOR VEHICLE, TOTAL	5.3	0.0	16.7	35.3	33.3	50.8	48.1	38.0	21.4	4.8	3.3	0.7	0.0
800-807,826-949	OTHER ACCIDENTS, TOTAL	4.0	4.8	20.0	58.8	27.8	18.3	19.4	15.4	12.1	6.2	2.5	1.8	0.0

TABLE 12

RESIDENT DEATHS FROM SELECTED CAUSES BY COUNTY
MONTANA, 1980

COUNTY	TOTAL, ALL CAUSES	NINTH REVISION, INTERNATIONAL LIST NUMBER													
		ACCIDENTS 800-949	APPENDICITIS 540-543	CEREBROVASCULAR DISEASE 430-438	CANCER 140-208	DIABETES 250	HEART DISEASE 390-398 402,404 410-429	INFLUENZA 487	MENINGITIS 320-322	NEPHRITIS 580-589	PNEUMONIA 460-486	POLIOMYELITIS 045,138	SYPHILIS 090-097	TUBERCULOSIS 010-018,137	ALL OTHER CAUSES
MONTANA, TOTAL	6,664	570	1	557	1,291	103	2,332	24	5	43	169	-	-	6	1,563
BEAVERHEAD	90	7	-	10	17	1	26	-	-	-	-	-	-	-	29
BIG HORN	107	17	-	8	22	-	34	1	-	-	4	-	-	-	21
BLAINE	66	8	-	1	7	1	25	-	-	-	1	-	-	-	23
BROADWATER	29	1	-	4	5	-	13	1	-	-	-	-	-	-	5
CARBON	108	7	-	16	20	-	38	-	-	1	4	-	-	-	22
CARTER	16	2	-	1	3	-	7	-	-	-	1	-	-	-	2
CASCADE	597	46	-	65	112	9	229	1	-	4	19	-	-	-	112
CHOUTEAU	58	5	-	6	7	-	26	-	-	-	1	-	-	-	13
CUSTER	136	7	-	12	23	2	47	-	-	-	9	-	-	-	36
DANIELS	42	6	-	5	5	2	10	-	-	-	1	-	-	-	13
DAWSON	114	11	-	9	22	2	42	-	-	-	2	-	-	-	25
DEER LODGE	158	9	-	15	25	-	54	-	-	3	3	-	-	1	50
FALLON	26	4	-	-	6	-	8	1	-	-	2	-	-	-	4
FERGUS	150	16	-	15	25	2	36	-	-	2	5	-	-	1	49
FLATHEAD	409	41	-	26	92	8	143	1	-	5	10	-	-	-	83
GALLATIN	256	19	1	23	52	6	84	2	-	2	3	-	-	-	64
GARFIELD	17	3	-	-	4	1	5	-	-	-	2	-	-	-	2
GLACIER	110	23	-	3	24	-	21	-	-	2	4	-	-	1	32
GOLDEN VALLEY	9	-	-	1	1	-	6	-	-	-	-	-	-	-	1
GRANITE	30	3	-	-	6	-	10	-	-	-	1	-	-	-	10
HILL	141	11	-	9	25	2	47	-	-	1	10	-	-	-	36
JEFFERSON	50	7	-	2	9	1	13	-	-	-	1	-	-	-	17
JUDITH BASIN	25	-	-	-	10	1	8	-	-	-	-	-	-	-	6
LAKE	199	12	-	23	41	8	75	-	-	4	1	-	-	-	39
LEWIS & CLARK	313	29	-	26	65	5	92	2	2	4	4	-	-	-	84
LIBERTY	15	1	-	1	2	1	6	-	-	-	-	-	-	-	4
LINCOLN	123	4	-	13	37	2	37	2	1	1	5	-	-	1	20
MCCONE	20	-	-	4	5	1	7	-	-	-	-	-	-	-	3
MADISON	64	9	-	5	8	1	15	-	-	-	1	-	-	-	25
MEAGHER	19	5	-	-	3	-	5	1	-	-	-	-	-	-	5
MINERAL	28	6	-	-	6	-	11	-	-	-	1	-	-	-	4
MISSOULA	488	46	-	49	95	8	152	-	1	2	8	-	-	1	126
MUSSELSHELL	47	3	-	4	8	1	19	-	-	-	2	-	-	-	10
PARK	133	6	-	13	31	1	48	-	-	1	3	-	-	-	30
PETROLEUM	5	-	-	-	2	-	3	-	-	-	-	-	-	-	-
PHILLIPS	61	2	-	5	14	2	30	-	-	-	-	-	-	-	8
PONDERA	48	4	-	5	5	1	19	-	-	-	2	-	-	-	12
POWDER RIVER	24	2	-	2	5	-	9	-	-	-	1	-	-	-	5
POWELL	67	5	-	5	11	2	23	1	-	1	1	-	-	-	18
PRAIRIE	16	-	-	1	5	-	10	-	-	-	-	-	-	-	-
RAVALLI	215	19	-	18	50	6	83	-	-	2	7	-	-	-	32
RICHLAND	95	11	-	3	20	1	43	-	-	2	2	-	-	-	13
ROOSEVELT	114	7	-	11	19	1	34	-	-	1	8	-	-	-	33
ROSEBUD	73	11	-	3	6	1	24	-	-	1	7	-	-	-	20
SANDERS	83	9	-	8	20	1	24	-	-	-	1	-	-	-	20
SHERIDAN	64	7	-	7	9	1	23	-	1	-	3	-	-	-	13
SILVER BOW	520	35	-	37	88	4	203	9	-	3	11	-	-	-	130
STILLWATER	63	3	-	3	12	2	25	1	-	1	-	-	-	-	16
SWEET GRASS	48	3	-	17	9	-	9	-	-	2	-	-	-	-	8
TETON	66	10	-	5	12	1	20	-	-	1	-	-	-	-	17
TOOLE	43	2	-	2	16	-	14	-	-	-	2	-	-	-	7
TREASURE	6	-	-	-	-	-	5	-	-	-	-	-	-	-	1
VALLEY	86	10	-	-	17	1	29	-	-	1	1	-	-	-	25
WHEATLAND	18	1	-	1	3	2	4	-	-	1	-	-	-	1	5
WIBAUX	14	2	-	-	1	-	6	-	-	-	1	-	-	-	4
YELLOWSTONE	742	53	-	53	144	11	293	1	-	2	14	-	-	-	171

TABLE 13

INFANT MORTALITY BY RACE AND AGE GROUP AND FIVE-YEAR INFANT MORTALITY RATES

MONTANA COUNTIES, 1980
BY PLACE OF RESIDENCE

COUNTY	TOTAL UNDER 1 YEAR			UNDER 28 DAYS			1-11 MONTHS			INFANT MORTALITY RATE* 1976-1980
	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	
MONTANA, TOTAL	176	150	26	110	94	16	66	56	10	12.9
BEAVERHEAD	2	2	-	1	1	-	1	1	-	12.3
BIG HORN	6	2	4	2	1	1	4	1	3	18.8
BLAINE	5	3	2	3	1	2	2	2	-	15.3
BROADWATER	1	1	-	-	-	-	1	1	-	19.2
CARBON	3	3	-	2	2	-	1	1	-	12.6
CARTER	-	-	-	-	-	-	-	-	-	8.6
CASCADE	10	9	1	5	5	-	5	4	1	13.7
CHOUTEAU	-	-	-	-	-	-	-	-	-	16.4
CUSTER	2	2	-	1	1	-	1	1	-	10.4
DANIELS	-	-	-	-	-	-	-	-	-	7.9
DAWSON	3	3	-	1	1	-	2	2	-	13.1
DEER LODGE	2	2	-	1	1	-	1	1	-	10.4
FALLON	1	1	-	-	-	-	1	1	-	5.6
FERGUS	1	1	-	1	1	-	-	-	-	9.9
FLATHEAD	10	10	-	6	6	-	4	4	-	14.7
GALLATIN	5	5	-	4	4	-	1	1	-	9.3
GARFIELD	-	-	-	-	-	-	-	-	-	0.0
GLACIER	6	3	3	6	3	3	-	-	-	22.0
GOLDEN VALLEY	1	1	-	1	1	-	-	-	-	14.5
GRANITE	1	1	-	-	-	-	1	1	-	25.1
HILL	5	4	1	4	4	-	1	-	1	10.7
JEFFERSON	3	2	1	2	1	1	1	1	-	25.0
JUDITH BASIN	-	-	-	-	-	-	-	-	-	0.0
LAKE	5	3	2	4	2	2	1	1	-	14.1
LEWIS & CLARK	5	5	-	3	3	-	2	2	-	8.6
LIBERTY	-	-	-	-	-	-	-	-	-	8.5
LINCOLN	2	2	-	-	-	-	2	2	-	8.2
MCCONE	1	1	-	1	1	-	-	-	-	23.8
MADISON	-	-	-	-	-	-	-	-	-	7.8
MEAGHER	1	1	-	-	-	-	1	1	-	22.9
MINERAL	-	-	-	-	-	-	-	-	-	8.3
MISSOULA	21	18	3	13	11	2	8	7	1	11.5
MUSSELSHELL	-	-	-	-	-	-	-	-	-	10.3
PARK	1	1	-	1	1	-	-	-	-	9.3
PETROLEUM	-	-	-	-	-	-	-	-	-	0.0
PHILLIPS	2	2	-	1	1	-	1	1	-	14.3
PONDERA	2	1	1	2	1	1	-	-	-	15.8
POWDER RIVER	1	1	-	-	-	-	1	1	-	8.6
POWELL	1	1	-	1	1	-	-	-	-	13.1
PRAIRIE	-	-	-	-	-	-	-	-	-	7.6
RAVALLI	4	4	-	2	2	-	2	2	-	12.0
RICHLAND	4	3	1	2	2	-	2	1	1	14.9
ROOSEVELT	4	2	2	2	2	-	2	-	2	20.0
ROSEBUD	2	1	1	2	1	1	-	-	-	18.9
SANDERS	-	-	-	-	-	-	-	-	-	16.1
SHERIDAN	2	2	-	2	2	-	-	-	-	10.8
SILVER BOW	9	9	-	3	3	-	6	6	-	15.0
STILLWATER	-	-	-	-	-	-	-	-	-	7.1
SWEET GRASS	1	1	-	1	1	-	-	-	-	8.0
TETON	2	2	-	1	1	-	1	1	-	15.4
TOOLE	1	1	-	1	1	-	-	-	-	9.9
TREASURE	-	-	-	-	-	-	-	-	-	11.2
VALLEY	9	7	2	8	7	1	1	-	1	13.5
WHEATLAND	2	2	-	1	1	-	1	1	-	33.8
WIBAUX	-	-	-	-	-	-	-	-	-	16.3
YELLOWSTONE	27	25	2	19	17	2	8	8	-	12.0

* NUMBER OF DEATHS UNDER ONE YEAR OF AGE PER 1,000 LIVE BIRTHS.

TABLE 14

INFANT MORTALITY FROM SELECTED CAUSES BY AGE GROUP

MONTANA, 1980

EXCLUSIVE OF FETAL DEATHS, BY PLACE OF RESIDENCE

NINTH REVISION INTERNATIONAL LIST NUMBER	CAUSE OF DEATH	TOTAL UNDER 1 YEAR			UNDER 28 DAYS			1-11 MONTHS		
		TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER
	TOTAL, ALL CAUSES.	176	150	26	110	94	16	66	56	10
	PRENATAL AND NATAL CAUSES, TOTAL .	115	98	17	105	89	16	10	9	1
740-759	CONGENITAL ANOMALIES	28	25	3	21	18	3	7	7	-
760-761, 763-764	MATERNAL CONDITIONS OF PREGNANCY AND CHILDBIRTH. . .	10	9	1	10	9	1	-	-	-
762	COMPLICATIONS OF PLACENTA, CORD AND MEMBRANES.	7	7	-	7	7	-	-	-	-
765	IMMATURITY	12	8	4	12	8	4	-	-	-
767	BIRTH TRAUMA	6	4	2	5	4	1	1	-	1
768	HYPOXIA AND BIRTH ASPHYXIA . .	7	6	1	7	6	1	-	-	-
769	RESPIRATORY DISTRESS SYNDROME.	17	14	3	15	12	3	2	2	-
771	INFECTIONS SPECIFIC TO PERINATAL PERIOD.	2	2	-	2	2	-	-	-	-
772	FETAL AND NEONATAL HEMORRHAGE.	5	5	-	5	5	-	-	-	-
766,770 773-779	OTHER CONDITIONS ORIGINATING IN THE PERINATAL PERIOD . . .	21	18	3	21	18	3	-	-	-
7980	SUDDEN INFANT DEATH SYNDROME, TOTAL	22	19	3	-	-	-	22	19	3
	INFECTIONS, TOTAL.	4	3	1	1	1	-	3	2	1
008-009,535, 555-558	CERTAIN GASTROINTESTINAL DISEASES.	-	-	-	-	-	-	-	-	-
480-487	PNEUMONIA AND INFLUENZA. . . .	4	3	1	1	1	-	3	2	1
	VIOLENT AND ACCIDENTAL DEATHS, TOTAL	12	9	3	-	-	-	12	9	3
810-825	MOTOR VEHICAL ACCIDENTS. . . .	1	1	-	-	-	-	1	1	-
911-913	SUFFOCATION.	5	3	2	-	-	-	5	3	2
800-807,826-910 914-949,960-969 980-989	OTHER VIOLENT AND ACCIDENTAL DEATHS	6	5	1	-	-	-	6	5	1
	ALL OTHER CAUSES	23	21	2	4	4	-	19	17	2

TABLE 15

COMMUNICABLE DISEASE HISTORICAL MORTALITY STATISTICS

MONTANA, 1910-1980

YEAR	BOTULISM(1)		DIPHTHERIA		INFLUENZA		MEASLES		MENINGOCOCCAL INFECTION	
	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*
1910	-	0.0	61	16.2	24	6.4	16	4.3	1	0.3
1915	5	1.1	21	4.5	41	8.8	7	1.5	7	1.5
1920	4	0.7	32	5.8	304	55.4	27	4.9	15	2.7
1925	6	1.1	34	6.3	109	20.1	5	0.9	5	0.9
1930	7	1.3	4	0.7	102	19.0	12	2.2	22	4.1
1931	4	0.7	7	1.3	152	28.1	3	0.6	13	2.4
1932	3	0.6	2	0.4	190	35.0	12	2.2	5	0.9
1933	9	1.7	17	3.1	173	31.8	15	2.8	3	0.6
1934	3	0.5	10	1.8	122	22.3	30	5.5	7	1.3
1935	3	0.5	14	2.5	173	31.5	49	8.9	15	2.7
1936	2	0.4	10	1.8	101	18.3	3	0.5	23	4.2
1937	5	0.9	10	1.8	244	44.1	2	0.4	7	1.3
1938	2	0.4	9	1.6	81	14.6	12	2.2	9	1.6
1939	3	0.5	3	0.5	99	17.7	16	2.9	4	0.7
1940	2	0.4	6	1.1	77	13.8	5	0.9	6	1.1
1941	2	0.4	13	2.5	90	17.0	1	0.2	5	0.9
1942	2	0.4	5	1.0	26	5.2	-	0.0	7	1.4
1943	1	0.2	5	1.1	58	12.3	6	1.3	5	1.1
1944	1	0.2	6	1.2	50	10.3	13	2.7	3	0.6
1945	1	0.2	4	0.8	47	9.3	1	0.2	3	0.6
1946	1	0.2	5	1.0	25	4.8	3	0.6	3	0.6
1947	1	0.2	2	0.4	33	6.1	13	2.4	3	0.6
1948	3	0.5	3	0.5	13	2.3	12	2.2	1	0.2
1949	2	0.3	3	0.5	13	2.3	3	0.5	3	0.5
1950	-	0.0	2	0.3	23	3.9	-	0.0	1	0.2
1951	2	0.3	-	0.0	30	5.0	9	1.5	5	0.8
1952	-	0.0	1	0.2	22	3.7	4	0.7	4	0.7
1953	-	0.0	3	0.5	59	9.6	4	0.6	2	0.3
1954	-	0.0	3	0.5	6	1.0	5	0.8	6	1.0
1955	-	0.0	1	0.2	12	1.9	4	0.6	5	0.8
1956	-	0.0	1	0.2	4	0.6	1	0.2	7	1.1
1957	-	0.0	1	0.1	25	3.7	3	0.4	3	0.4
1958	-	0.0	-	0.0	14	2.1	2	0.3	4	0.6
1959	-	0.0	-	0.0	15	2.2	5	0.7	3	0.4
1960	-	0.0	-	0.0	37	5.5	1	0.1	3	0.4
1961	-	0.0	-	0.0	8	1.2	1	0.1	1	0.1
1962	-	0.0	-	0.0	12	1.7	-	0.0	4	0.6
1963	-	0.0	-	0.0	31	4.4	-	0.0	3	0.4
1964	1	0.1	-	0.0	29	4.1	2	0.3	2	0.3
1965	-	0.0	-	0.0	5	0.7	-	0.0	3	0.4
1966	1	0.1	-	0.0	49	7.0	-	0.0	2	0.3
1967	-	0.0	-	0.0	3	0.4	-	0.0	2	0.3
1968	-	0.0	-	0.0	30	4.3	-	0.0	2	0.3
1969	-	0.0	-	0.0	38	5.5	2	0.3	2	0.3
1970	-	0.0	2	0.3	8	1.2	-	0.0	1	0.1
1971	-	0.0	-	0.0	9	1.3	2	0.3	2	0.3
1972	-	0.0	-	0.0	15	2.1	-	0.0	2	0.3
1973	-	0.0	-	0.0	43	6.0	-	0.0	2	0.3
1974	-	0.0	-	0.0	11	1.5	-	0.0	1	0.1
1975	-	0.0	-	0.0	17	2.3	-	0.0	-	0.0
1976	-	0.0	-	0.0	95	12.6	-	0.0	-	0.0
1977	-	0.0	-	0.0	9	1.2	-	0.0	2	0.3
1978	-	0.0	-	0.0	19	2.4	-	0.0	2	0.3
1979	-	0.0	-	0.0	4	0.5	-	0.0	4	0.5
1980	-	0.0	-	0.0	24	3.1	-	0.0	-	0.0

(1) PRIOR TO 1949 THE INTERNATIONAL CLASSIFICATION OF DISEASES DID NOT PERMIT IDENTIFICATION OF BOTULISM AS SUCH. THE MORE GENERAL RUBRIC OF 'FOOD POISONING' IS REPORTED. THE DEATHS SHOWN PRIOR TO 1968 INCLUDE THOSE ASSIGNED TO 'FOOD POISONING UNSPECIFIED'.

* DEATHS PER 100,000 ESTIMATED MIDYEAR POPULATION

DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. DATA SINCE 1946 ARE BY PLACE OF RESIDENCE.

TABLE 15, CONTINUED

COMMUNICABLE DISEASE HISTORICAL MORTALITY STATISTICS

MONTANA, 1910-1980, CONTINUED

YEAR	POLIOMYELITIS		ROCKY MOUNTAIN SPOTTED FEVER(2)		TUBERCULOSIS		TYPHOID FEVER		WHOOPING COUGH	
	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*
1910	17	4.5	---	---	340	90.4	151	40.2	41	10.9
1915	1	0.2	8	1.7	530	113.2	57	12.2	36	7.7
1920	5	0.9	7	1.3	419	76.4	27	4.9	51	9.3
1925	6	1.1	11	2.0	396	73.0	24	4.4	63	11.6
1930	6	1.1	9	1.7	337	62.7	16	3.0	16	3.0
1931	15	2.8	7	1.3	329	60.9	12	2.2	46	8.5
1932	4	0.7	17	3.1	307	56.6	13	2.4	22	4.1
1933	2	0.4	18	3.3	282	51.8	14	2.6	15	2.8
1934	14	2.6	8	1.5	265	48.5	17	3.1	24	4.4
1935	1	0.2	21	3.8	257	46.8	12	2.2	22	4.0
1936	5	0.9	16	2.9	221	40.1	8	1.5	16	2.9
1937	6	1.1	4	0.7	241	43.5	11	2.0	14	2.5
1938	3	0.5	3	0.5	241	43.4	5	0.9	47	8.5
1939	1	0.2	5	0.9	248	44.5	1	0.2	16	2 9
1940	7	1.3	7	1.3	231	41.3	3	0.5	5	0.9
1941	9	1.7	19	3.6	214	40.4	2	0.4	6	1.1
1942	-	0.0	13	2.6	201	40.2	1	0.2	12	2.4
1943	10	2.1	9	1.9	206	43.8	4	0.9	18	3.8
1944	6	1.2	4	0.8	175	35.9	1	0.2	10	2.1
1945	10	2.0	1	0.2	171	33.9	2	0.4	2	0.4
1946	5	1.0	5	1.0	164	31.4	2	0.4	2	0.4
1947	4	0.7	1	0.2	152	28.2	1	0.2	6	1.1
1948	6	1.1	1	0.2	146	26.2	-	0.0	6	1.1
1949	13	2.3	-	0.0	109	19.0	1	0.2	2	0.3
1950	3	0.5	1	0.2	114	19.3	-	0.0	10	1.7
1951	6	1.0	-	0.0	85	14.3	1	0.2	1	0.2
1952	8	1.3	1	0.2	79	13.1	1	0.2	1	0.2
1953	14	2.3	-	0.0	77	12.5	-	0.0	4	0.6
1954	9	1.4	-	0.0	62	9.9	-	0.0	1	0.2
1955	8	1.3	-	0.0	50	7.9	-	0.0	1	0.2
1956	-	0.0	-	0.0	48	7.3	-	0.0	1	0.2
1957	2	0.3	-	0.0	68	10.2	-	0.0	2	0.3
1958	5	0.8	-	0.0	45	6.8	-	0.0	-	0.0
1959	2	0.3	-	0.0	37	5.5	-	0.0	-	0.0
1960	7	1.0	1	0.1	31	4.6	-	0.0	1	0.1
1961	1	0.1	-	0.0	24	3.5	1	0.1	-	0.0
1962	-	0.0	-	0.0	32	4.5	-	0.0	-	0.0
1963	-	0.0	-	0.0	27	3.8	-	0.0	-	0.0
1964	-	0.0	-	0.0	28	4.0	1	0.1	-	0.0
1965	-	0.0	-	0.0	22	3.1	-	0.0	-	0.0
1966	-	0.0	-	0.0	21	3.0	-	0.0	-	0.0
1967	-	0.0	-	0.0	17	2.4	-	0.0	-	0.0
1968	1	0.1	-	0.0	15	2.2	-	0.0	-	0.0
1969	-	0.0	-	0.0	16	2.3	-	0.0	-	0.0
1970	-	0.0	-	0.0	12	1.7	-	0.0	-	0.0
1971	1	0.1	-	0.0	10	1.4	-	0.0	1	0.1
1972	-	0.0	-	0.0	11	1.5	-	0.0	-	0.0
1973	-	0.0	-	0.0	13	1.8	-	0.0	-	0.0
1974	1	0.1	-	0.0	17	2.3	-	0.0	-	0.0
1975	1	0.1	1	0.1	13	1.7	-	0.0	-	0.0
1976	-	0.0	-	0.0	9	1.2	-	0.0	-	0.0
1977	-	0.0	-	0.0	4	0.5	-	0.0	-	0.0
1978	1	0.1	-	0.0	11	1.4	-	0.0	-	0.0
1979	-	0.0	-	0.0	5	0.6	-	0.0	-	0.0
1980	-	0.0	-	0.0	6	0.8	-	0.0	-	0.0

(2) DEATHS FROM ROCKY MOUNTAIN SPOTTED FEVER FOR THE YEARS 1915-1920 ARE COURTESY OF ROBERT PHILLIPS, PH.D. (RETIRED), ROCKY MOUNTAIN LABORATORY, HAMILTON.

* DEATHS PER 100,000 ESTIMATED MIDYEAR POPULATION

DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. DATA SINCE 1946 ARE BY PLACE OF RESIDENCE.

TABLE 16

SELECTED CAUSE-SPECIFIC DEATH RATES

MONTANA, 1910-1980

YEAR	ACCIDENTS						ALCOHOLISM		CANCER	
	TOTAL		MOTOR VEHICLE		OTHER					
	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*
1910	514	136.7	5	1.3	509	135.4	56	14.9	157	41.7
1915	556	118.8	31	6.6	525	112.2	66	14.1	223	47.6
1920	473	86.3	45	8.2	428	78.1	10	1.8	282	51.4
1925	505	93.0	98	18.1	407	75.0	41	7.6	379	69.8
1930	498	92.6	106	19.7	392	72.9	69	12.8	424	78.9
1931	510	94.4	127	23.5	383	70.9	33	6.1	420	77.7
1932	442	81.5	98	18.1	344	63.4	15	2.8	513	94.6
1933	508	93.3	119	21.8	389	71.4	24	4.4	508	93.3
1934	576	105.3	209	28.2	367	67.1	20	3.7	477	87.2
1935	552	100.5	161	29.3	391	71.2	14	2.5	528	96.2
1936	660	119.7	174	31.6	486	88.2	25	4.5	567	102.9
1937	599	108.2	177	32.0	422	76.2	32	5.8	566	102.3
1938	587	105.6	143	25.7	444	79.9	27	4.9	557	100.2
1939	531	95.2	149	26.7	382	68.5	23	4.1	643	115.3
1940	539	96.3	154	27.5	385	68.8	41	7.3	640	114.4
1941	548	103.4	182	34.3	366	69.1	19	3.6	644	121.5
1942	468	93.6	105	21.0	363	72.6	16	3.2	643	128.6
1943	580	123.4	87	18.5	493	104.9	12	2.6	613	130.4
1944	494	101.4	106	21.8	388	79.6	7	1.4	681	139.7
1945	498	98.7	118	23.4	380	75.3	13	2.6	658	130.4
1946	517	99.1	166	31.8	351	67.3	15	2.9	662	126.8
1947	537	99.6	157	29.1	380	70.5	19	3.5	712	132.0
1948	575	103.3	165	29.6	410	73.7	14	2.5	724	130.1
1949	552	96.2	152	26.5	400	69.7	17	3.0	729	127.0
1950	545	92.2	190	32.1	355	60.1	14	2.4	733	124.0
1951	525	88.1	187	31.4	338	56.7	17	2.9	726	121.8
1952	564	93.7	235	39.0	329	54.7	13	2.2	798	132.6
1953	534	86.7	228	37.0	306	49.7	17	2.8	809	131.3
1954	531	85.1	219	35.1	312	50.0	19	3.0	871	139.6
1955	549	86.3	239	37.6	310	48.7	28	4.4	829	130.3
1956	574	87.5	265	40.4	309	47.1	22	3.4	931	141.9
1957	541	81.1	219	32.8	322	48.3	20	3.0	873	130.9
1958	497	74.6	206	30.9	291	43.7	18	2.7	838	125.8
1959	565	84.4	258	38.6	307	45.9	15	2.2	920	137.5
1960	510	75.6	226	33.5	284	42.1	13	1.9	958	142.0
1961	518	76.0	270	39.6	248	36.4	18	2.6	965	141.5
1962	550	77.6	232	32.7	318	44.9	19	2.7	911	128.5
1963	517	73.1	218	30.8	299	42.3	12	1.7	896	126.7
1964	648	91.9	250	35.5	398	56.5	13	1.8	986	139.9
1965	591	83.7	268	38.0	323	45.8	14	2.0	933	132.2
1966	560	79.8	265	37.7	295	42.0	24	3.4	969	138.0
1967	607	86.6	318	45.4	289	41.2	12	1.7	1,004	143.2
1968	535	77.2	262	37.8	273	39.4	29	4.2	1,080	155.8
1969	635	91.5	329	47.4	306	44.1	10	1.4	1,041	150.0
1970	571	82.2	290	41.8	281	40.5	25	3.6	1,059	152.5
1971	609	85.8	310	43.7	299	42.1	19	2.7	1,050	147.9
1972	635	88.3	360	50.1	275	38.2	17	2.4	1,122	156.1
1973	611	84.7	324	44.9	287	39.8	20	2.8	1,061	147.2
1974	559	76.1	272	37.0	287	39.0	14	1.9	1,130	153.7
1975	584	78.1	282	37.7	302	40.4	28	3.7	1,105	147.7
1976	579	76.9	291	38.6	288	38.2	23	3.1	1,191	158.2
1977	574	75.4	302	39.7	272	35.7	25	3.3	1,184	155.6
1978	558	71.1	276	35.2	282	35.9	23	2.9	1,233	157.1
1979	596	75.8	313	39.8	283	36.0	22	2.8	1,240	157.8
1980	570	72.5	311	39.5	259	32.9	25	3.2	1,291	164.1

* DEATHS PER 100,000 ESTIMATED MIDYEAR POPULATION

DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. DATA SINCE 1946 ARE BY PLACE OF RESIDENCE.

TABLE 16, CONTINUED

SELECTED CAUSE-SPECIFIC DEATH RATES

MONTANA, 1910-1980, CONTINUED

YEAR	DIABETES		HEART DISEASE		HOMICIDE		NEPHRITIS		PNEUMONIA		SUICIDE	
	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*
1910	38	10.1	257	68.3	37	9.8	222	59.0	282	75.0	81	21.5
1915	65	13.9	407	87.0	53	11.3	339	72.4	511	109.2	103	22.0
1920	60	10.[illegible]	428	78.1	46	8.4	273	49.8	576	105.0	86	15.7
1925	64	11.8	672	123.8	51	9.4	301	55.4	437	80.5	102	18.8
1930	87	16.2	759	141.2	57	10.6	395	73.5	425	79.1	136	25.3
1931	83	15.4	915	169.3	39	7.2	336	62.2	384	71.1	126	23.3
1932	87	16.0	1,065	196.3	45	8.3	348	64.1	348	64.1	125	23.0
1933	91	16.7	1,087	199.6	30	5.5	315	57.8	321	58.9	114	20.9
1934	119	21.8	1,117	204.2	39	7.1	350	64.0	416	76.1	104	19.0
1935	112	20.4	1,299	236.6	34	6.2	355	64.7	674	122.8	96	17.5
1936	125	22.7	1,248	226.4	26	4.7	347	62.9	631	114.5	102	18.5
1937	118	21.3	1,395	252.1	27	4.9	305	55.1	528	95.4	101	18.2
1938	118	21.2	1,308	235.4	26	4.7	314	56.5	355	63.9	103	18.5
1939	112	20.1	1,486	266.4	27	4.8	327	58.6	310	55.6	106	19.0
1940	109	19.5	1,447	258.6	29	5.2	295	52.7	321	57.4	120	21.4
1941	110	20.8	1,485	280.2	18	3.4	272	51.3	262	49.4	93	17.5
1942	108	21.6	1,577	315.4	17	3.4	284	56.8	235	47.0	98	19.6
1943	116	24.7	1,564	332.7	15	3.2	271	57.7	248	52.8	68	14.5
1944	126	25.9	1,660	340.7	13	2.7	292	59.9	250	51.3	53	10.9
1945	129	25.6	1,603	317.7	19	3.8	279	55.3	196	38.8	79	15.7
1946	137	26.3	1,629	312.1	22	4.2	276	52.9	235	45.0	98	18.8
1947	130	24.1	1,690	313.4	14	2.6	266	49.3	223	41.4	96	17.8
1948	118	21.2	1,803	324.0	15	2.7	247	44.4	189	34.0	88	15.8
1949	102	17.8	2,002	348.9	21	3.7	129	22.5	144	25.1	89	15.5
1950	49	8.3	1,957	331.1	24	4.1	80	13.5	157	26.6	123	20.8
1951	58	9.7	2,159	362.2	15	2.5	85	14.3	121	20.3	85	14.3
1952	83	13.8	2,032	337.5	17	2.8	120	19.9	147	24.4	84	14.0
1953	73	11.9	2,164	351.3	23	3.7	77	12.5	180	29.2	106	17.2
1954	95	15.2	2,128	341.0	29	4.6	90	14.4	179	28.7	104	16.7
1955	108	17.0	2,116	332.7	21	3.3	94	14.8	155	24.4	79	12.4
1956	98	14.9	2,165	330.0	32	4.9	83	12.7	211	32.2	98	14.9
1957	118	17.7	2,290	343.3	23	3.4	71	10.6	249	37.3	105	15.7
1958	109	16.4	2,244	336.9	17	2.6	53	8.0	260	39.0	101	15.2
1959	123	18.4	2,382	356.0	29	4.3	58	8.7	231	34.5	97	14.5
1960	102	15.1	2,332	345.6	25	3.7	51	7.6	227	33.6	107	15.9
1961	117	17.2	2,269	332.7	21	3.1	41	6.0	219	32.1	96	14.1
1962	121	17.1	2,204	310.9	21	3.0	63	8.9	195	27.5	110	15.5
1963	125	17.7	2,340	331.0	22	3.1	42	5.9	218	30.8	115	16.3
1964	139	19.7	2,368	335.9	30	4.3	45	6.4	226	32.1	80	11.3
1965	114	16.1	2,297	325.4	20	2.8	35	5.0	198	28.0	94	13.3
1966	106	15.1	2,415	344.0	23	3.3	42	6.0	230	32.8	96	13.7
1967	143	20.4	2,297	327.7	31	4.4	38	5.4	196	28.0	100	14.3
1968	119	17.2	2,223	320.8	25	3.6	20	2.9	213	30.7	97	14.0
1969	117	16.9	2,297	331.0	31	4.5	21	3.0	201	29.0	91	13.1
1970	111	16.0	2,229	321.0	30	4.3	26	3.7	213	30.7	79	11.4
1971	120	16.9	2,339	329.4	43	6.1	19	2.7	210	29.6	117	16.5
1972	135	18.8	2,294	319.1	32	4.5	17	2.4	220	30.6	87	12.1
1973	126	17.5	2,300	319.0	46	6.4	27	3.7	236	32.7	108	15.0
1974	103	14.0	2,202	299.6	44	6.0	20	2.7	192	26.1	122	16.6
1975	122	16.3	2,178	291.2	42	5.6	19	2.5	185	24.7	112	15.0
1976	100	13.3	2,178	289.2	38	5.0	17	2.3	207	27.5	129	17.1
1977	89	11.7	2,149	282.4	53	7.0	24	3.2	144	18.9	143	18.8
1978	114	14.5	2,169	276.3	40	5.1	20	2.5	199	25.4	122	15.5
1979	94	12.0	2,302	292.9	39	5.0	46	5.9	143	18.2	123	15.6
1980	103	13.1	2,332	296.4	40	5.1	43	5.5	169	21.5	116	14.7

*DEATHS PER 100,000 ESTIMATED MIDYEAR POPULATION

DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. DATA SINCE 1946 ARE BY PLACE OF RESIDENCE.

ABORTIONS

AGE

LENGTH OF GESTATION

MARITAL STATUS

PROCEDURE

COUNTY OF RESIDENCE

ABORTIONS

Introduction

Induced abortions have been legal in Montana since July 1, 1974. Since that time, the number of reported legally induced abortions has increased each year until this year when it leveled off. The number of abortions reported for 1980 was 3,471, an increase of 24 over the 3,447 reported for 1979. Live births in Montana increased from 13,800 in 1979 to 13,874 in 1980. The ratio for 1980 was 250 abortions per 1,000 live births, the same as for 1979. There is now one legally-induced abortion for every four live births in Montana. National abortion ratios have been consistently higher than Montana's ever since state statistics have been available for comparison.

INDUCED ABORTION RATIOS: Montana, 1975-1980 United States, 1975-1978

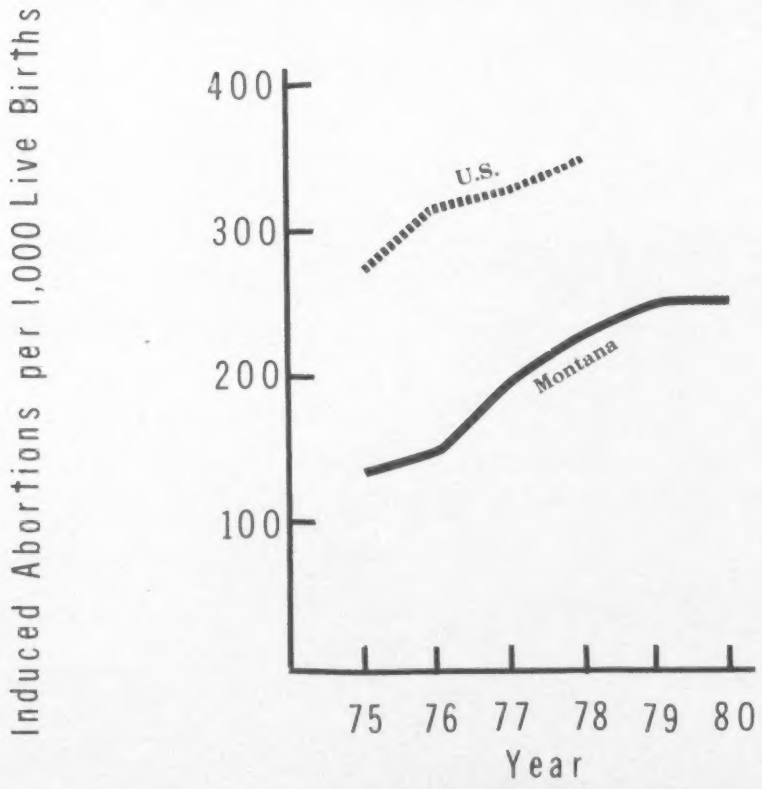


CHART 5

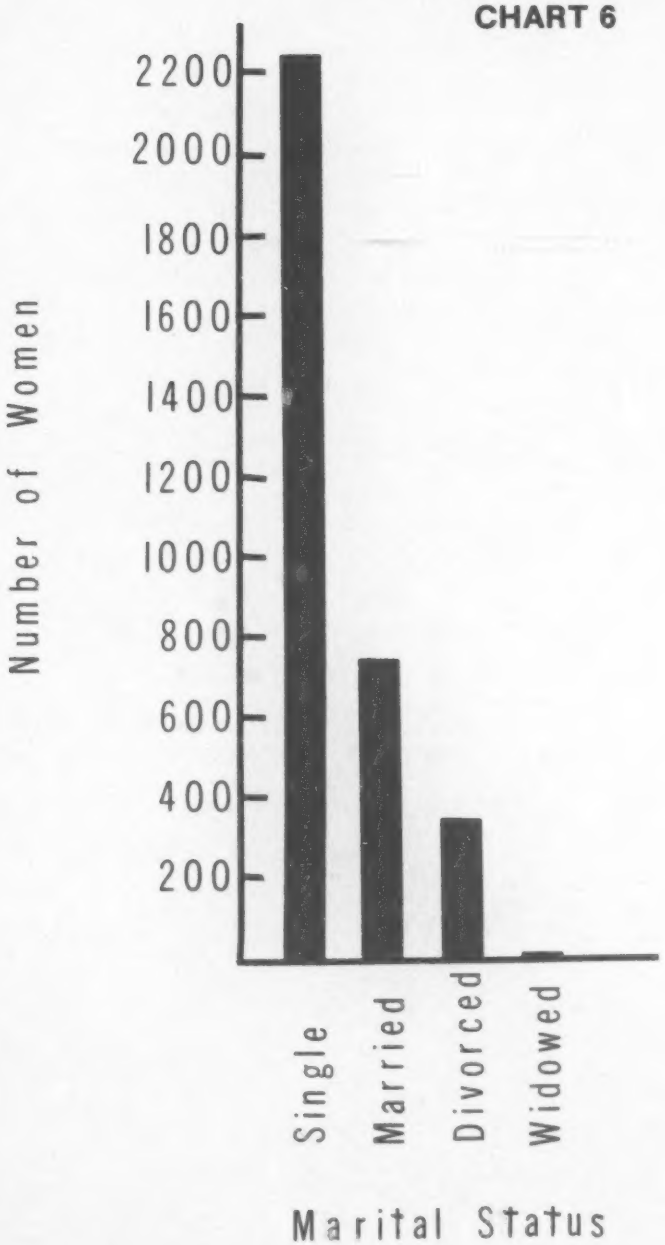
Selected Characteristics of Women Having Abortions in Montana

Single (never married) women accounted for 65 percent of 1980 abortions while married women, including those listed as separated, constituted 22 percent. One out of every ten abortions was obtained by a divorced woman.

INDUCED ABORTIONS BY MARITAL STATUS

Montana, 1980

CHART 6



The single age at which most abortions were obtained was 19 years (386), followed closely by ages 20 (342) and 18 (340). Over two-thirds of the total abortions were to women in the combined age group 15-24.

Of the women having abortions in Montana in 1980, 77.2 percent reported no previous induced abortions, and 22.7 percent of the women had had one or more previous induced abortions. In the age group 25-29, 2.2 percent of the women had three or more previous induced abortions.

Most women having abortions in Montana (94 percent) were Montana residents. Women traveling to Montana for abortions were from: Wyoming, 85; Idaho, 40; North Dakota, 9; and Canada, 50. The total number of Montana residents going out-of-state for abortions is unknown.

Procedures

Suction curretage was the procedure used for 3,355 (96.7 percent) of the induced abortions. The intra-uterine prostaglanden procedure was used 103 times (3 percent). A total of 50 cases reported complications of abortions for an overall complication rate of 1.4 percent.

Weeks of Gestation

Almost half (47 percent) of induced abortions in Montana in 1980 were performed during the first eight weeks of pregnancy. Ninety-two percent (3,206) were performed during the first trimester of pregnancy (0-13 weeks). In 121 instances, the length of gestation at the time of abortion was reported as 'unknown.' Gestational length is calculated from the first day of the last normal menses, rather than using the physician's estimate.

Age Group	Total	Percent	Live Births		Induced Abortions	
			Number	Percent	Number	Percent
Total	18,145	100.0	14,307	78.8	3,838	21.2
<15	32	100.0	14	43.8	18	56.2
15-19	2,785	100.0	1,735	62.3	1,050	37.7
20-24	6,460	100.0	5,033	77.9	1,427	22.1
25-29	5,589	100.0	4,770	85.3	819	14.7
30-34	2,588	100.0	2,229	86.1	359	13.9
35-39	560	100.0	437	78.0	123	22.0
40-44	111	100.0	76	68.5	35	31.5
45+	19	100.0	12	63.2	7	36.8
Not Stated	1	100.0	1	100.0	-	--

CHART 7

INDUCED ABORTIONS BY WOMAN'S AGE
Montana, 1980

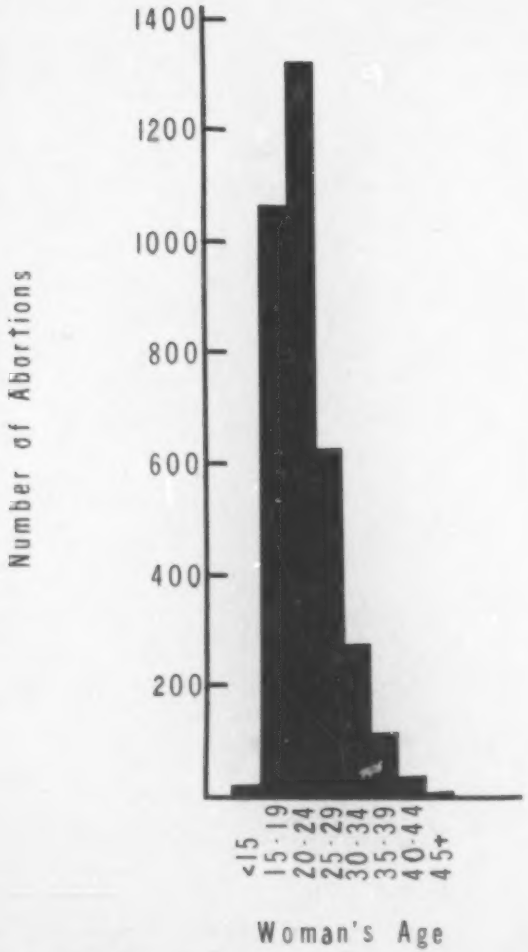


CHART 8

INDUCED ABORTIONS BY COMPLETED WEEKS OF GESTATION:
Montana, 1980

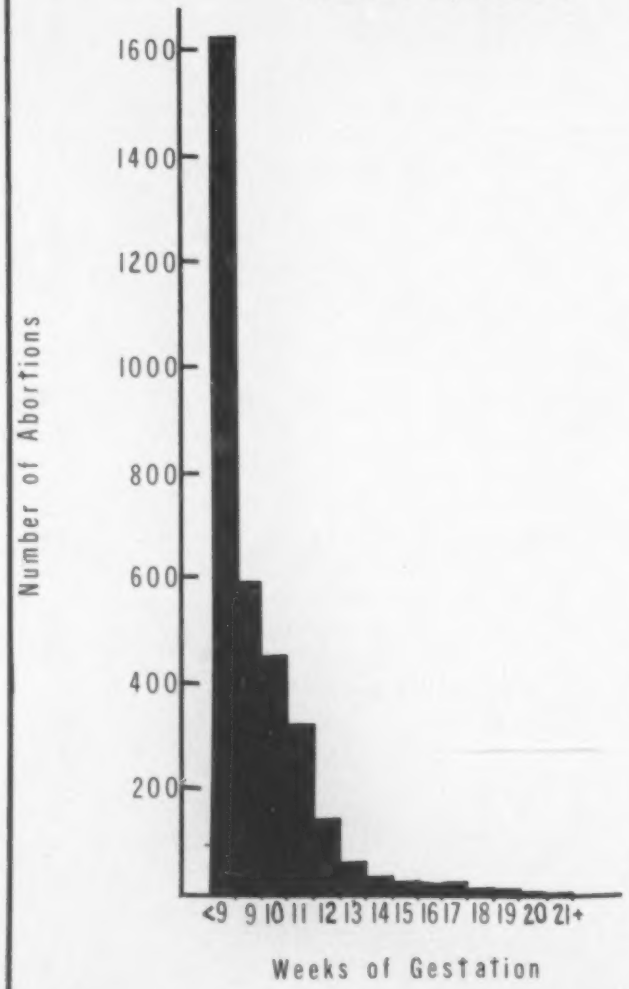


TABLE 17

Induced Abortions By Woman's Total Number of Previous Pregnancies: Montana, 1980

Total Past Pregnancies	Abortions
Total	3,471
Not Stated	2
0	1,795
1	820
2	453
3	218
4	94
5	51
6	14
7	13
8	5
9+	6

TABLE 18

Induced Abortions By Five-Year Age Groups: Montana, 1980

Woman's Age	Number
Total	3,471
Under 15	22
15 - 19	1,066
20 - 24	1,324
25 - 29	628
30 - 34	272
35 - 39	116
40 - 44	38
45+	5

TABLE 19

Induced Abortions By Type of Procedure and Completed Week of Gestation: Montana, 1980

Abortion Procedure	Total	Length of Gestation							
		9 or less	10-11	12-13	14-15	16-17	18-19	20+	Unknown
Total	3,471	2,220	779	207	61	47	27	9	121
Suction Curettage	3,355	2,217	776	194	42	9	1	5	111
Sharp Curettage	5	2	2	-	-	-	-	-	1
Intra-Uterine Saline	1	-	-	-	-	-	-	1	-
Intra-Uterine Prostaglandin	103	1	1	11	18	37	25	3	7
Hysterectomy	1	-	-	-	-	-	-	-	1
Other	6	-	-	2	1	1	1	-	1

MARRIAGE AND DIVORCE

MARRIAGE AND DIVORCE

Trend

There were 8,336 marriages performed in Montana in 1980, up 141 from the 8,195 reported in 1979. The rate for 1980 was 10.6 compared with 10.4 for the previous year. Montana's marriage rates are about the same as those for the United States, which were 10.9 in 1980 and 10.7 in 1979.

The term "divorce" is loosely used here to include all terminations. There were 4,940 terminations of marriage in 1980. Marriage terminations include marital dissolutions (formerly called divorces) and invalid marriages (formerly called annulments). This is down slightly from the 5,106 marital terminations reported in 1979. The marital-termination rate for Montana has historically been higher than that for the nation, and 1980 was no exception. The Montana rate was 6.3, compared with the national rate of 5.3.

Marriage and Divorce Rates

Meaningful marriage and divorce rates are hard to come by. The most meaningful marriage rate would be one that compared the number of marriages to the number of single people in Montana's population, and the divorce rate should compare the number of marital terminations to the population of married people. Because such data are available only for years in which a federal census is taken, those population figures are only available in census years. As a substitute, marriage and divorce rates are calculated as the number of events per 1,000 total population.

Occurrence Versus Residence

There is no general interstate exchange of marriage records so that residence statistics can not be compiled. The numbers reported indicate only that a marriage occurred in Montana, even though neither of the parties may have been a resident. Because Montana has a higher marriage license fee and, in some instances, stricter requirements for marriage than surrounding states, it is likely that more Montana residents leave the state to be married than do out-of-state residents come to Montana to be married.

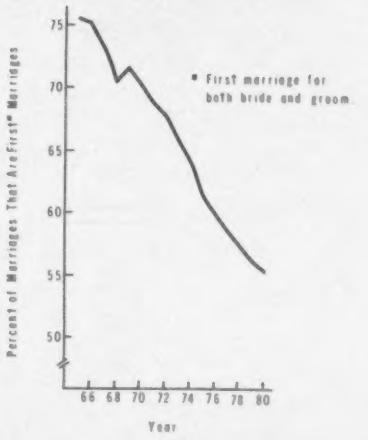
There is a limitation as to the usefulness of county data, especially that concerning divorce. In 1980, there were more marriages terminated in Broadwater County than were solemnized there. This does not necessarily mean that

married persons in Broadwater County have an unduly high risk of ending their marriage. More likely it reflects the fact that the district court which serves Broadwater County also serves Lewis and Clark County. It appears that some divorces which would normally be filed in Lewis and Clark County are instead filed in Broadwater, probably to avoid publicity. This phenomenon may also affect other counties that are adjacent to a county with a relatively large population center.

Marriage

First marriages are defined as those involving a first marriage for both the bride and the groom. As the incidence of divorce has increased, the proportion of marriages involving a person who has been previously married has been increasing. This is illustrated by considering first marriages as a percent of total marriages. The accompanying chart shows this information for 1965 through 1980. The proportion of first marriages has declined from over three out of four to slightly more than one out of two.

FIRST MARRIAGES AS A PERCENT OF TOTAL MARRIAGES: Montana, 1965-80

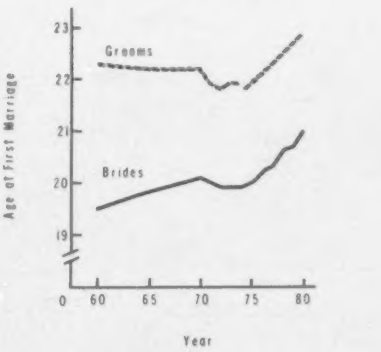


Brides and grooms tend to marry those with similar previous marital status. Most single brides marry single grooms. Most divorced brides marry divorced grooms.

The median age at first marriage has increased for both brides and grooms since 1960. For brides, the increase has been substantial, 1.5 years; from 19.5 years in 1960 to 21.0 years in 1980. The change has been smaller for grooms, 0.6 years. The median age at first marriage for grooms increased from 22.3 in 1960 to 22.9 in 1980.

The accompanying chart shows median ages plotted annually from 1970 through 1980. Both brides and grooms showed a decline in median age for the first two years of the decade and a definite rising trend in the last half of the 70's.

MEDIAN AGE OF BRIDES AND GROOMS AT FIRST MARRIAGE: Montana, 1960-80

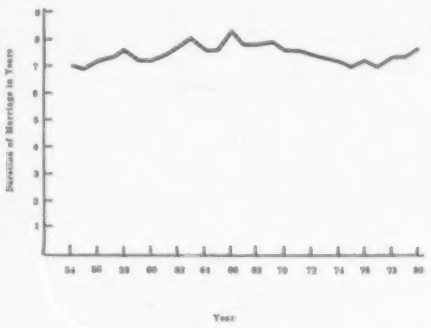


The age differential between brides and grooms diminished from 2.8 years in 1960 to 1.9 years in 1980.

Duration of Marriage Before Divorce

Given the increase in the divorce rate from 1965 through 1976, it might be expected that the average duration of marriages prior to divorce would have gone down. While the average duration of marriage did decrease to 7.0 years in 1975, from 8.3 years in 1966, the average duration of marriage has remained essentially between seven and eight years for the 27-year period from 1954 through 1980. Only in 1966 (8.3 years) did the average exceed eight years, and only in 1959 (6.9 years) was it less than seven years.

AVERAGE DURATION OF MARRIAGE
IN COMPLETED YEARS:
Montana Divorces, 1954-80



Proportion of Marriages Terminating in Divorce

One of the most frequent questions arising in connection with divorces is what proportion of marriages will finally terminate in divorce. Often the way of approaching this is to compare the number of marriages to the number of divorces for a given year, forming a ratio of marriages to divorces. This is not a good statistic because the divorces for a given year seldom involve marriages for the same year. The question can best be answered by following the marriage and divorce experience of cohorts (all the people who were married during a given time period). Recently compliled statistics from the National Center for Health Statistics (Vital and Health Statistics, Series 21, Number 34, "Divorces by Marriages Cohort") found that a fourth of the marriages contracted in 1950 had ended in divorce before the 25th anniversary, but a fourth of the marriages contracted in 1965 had ended in divorce by the tenth anniversary. The Census Bureau has predicted that 38 percent of the women born in the years 1945-49 who marry will end their marriage with a divorce, and 44 percent of those who remarry will end the second marriage in a divorce. Of the two ways of ending a marriage, death or divorce, an increasing proportion are being ended by divorce.

Children Affected

As a result of smaller families in recent years, the average number of children under 18 affected per divorce has

been declining since the mid-1960's. In 1964, there were 1.47 children affected per divorce, and this rate decreased to 1.00 in 1980.

Even though the number of children per divorce has declined, the total number of children affected by Montana divorces has risen by 265 percent since 1955. In that year there were 1,862 children under 18 years of age affected by a divorce as compared with 4,940 in 1980. This has substantial implications for the educational and social welfare systems of the State.

AVERAGE NUMBER OF CHILDREN UNDER 18 AFFECTED PER DIVORCE: Montana, 1961-80

CHART 9

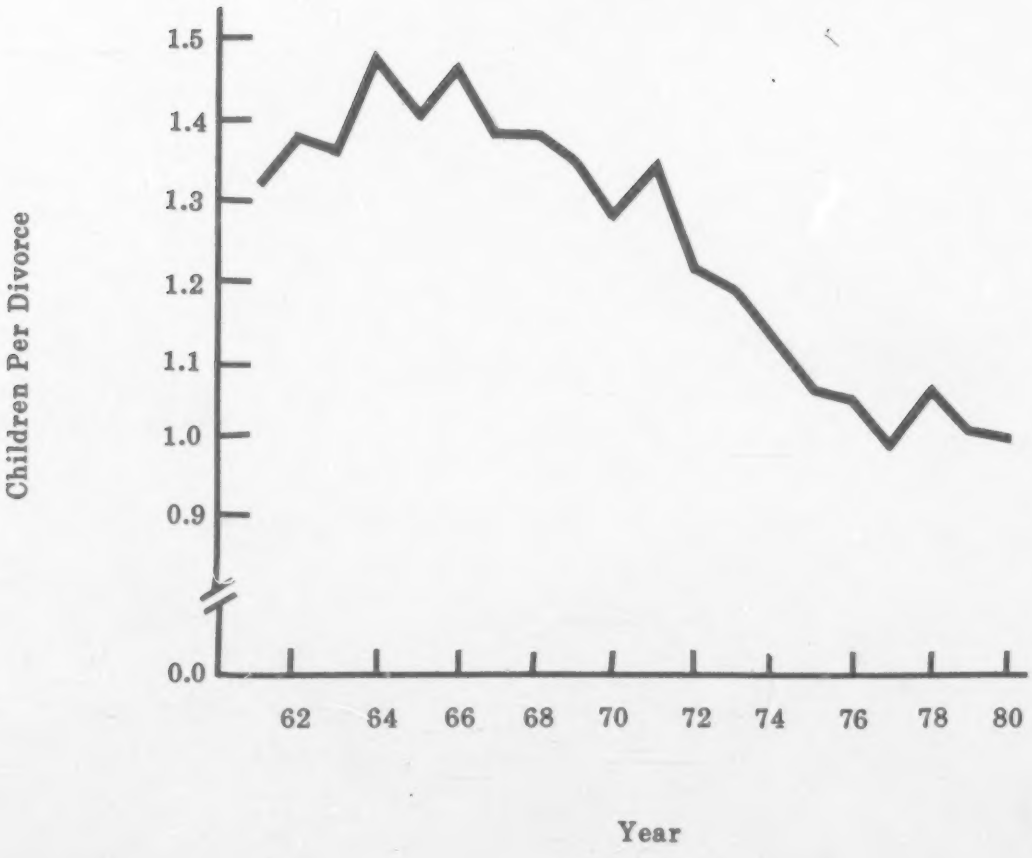


TABLE 20

MARRIAGES, MARITAL DISSOLUTIONS AND INVALID MARRIAGES

MONTANA COUNTIES, 1980

COUNTY	MARRIAGES		MARITAL TERMINATIONS	
	LICENSE ISSUED	SOLEMNIZED	MARITAL DISSOLUTIONS	INVALID MARRIAGES
MONTANA, TOTAL	8,336	8,336	4,842	98
BEAVERHEAD	88	79	48	2
BIG HORN	108	98	36	1
BLAINE	69	74	26	1
BROADWATER	26	25	29	-
CARBON	54	105	24	1
CARTER	10	10	5	-
CASCADE	942	955	558	8
CHOUTEAU	52	64	26	1
CUSTER	120	130	108	2
DANIELS	30	30	2	-
DAWSON	141	135	63	-
DEER LODGE	93	131	32	3
FALLON	39	40	15	-
FERGUS	129	152	79	4
FLATHEAD	590	599	396	6
GALLATIN	502	462	196	-
GARFIELD	10	10	1	-
GLACIER	68	74	55	1
GOLDEN VALLEY	3	5	2	-
GRANITE	26	24	5	1
HILL	213	203	87	-
JEFFERSON	52	53	25	3
JUDITH BASIN	19	21	7	-
LAKE	165	195	117	1
LEWIS & CLARK	498	478	332	9
LIBERTY	26	19	4	-
LINCOLN	158	171	137	1
MCCONE	21	19	1	-
MADISON	60	75	17	-
MEAGHER	35	31	17	1
MINERAL	40	39	21	-
MISSOULA	929	831	675	20
MUSSELSHELL	40	39	13	-
PARK	148	164	103	1
PETROLEUM	3	4	1	-
PHILLIPS	50	58	28	-
PONDERA	56	61	21	-
POWDER RIVER	26	21	8	-
POWELL	56	66	42	2
PRAIRIE	8	12	3	-
RAVALLI	168	202	113	-
RICHLAND	181	166	55	-
ROOSEVELT	139	150	73	1
ROSEBUD	74	72	53	-
SANDERS	65	80	34	3
SHERIDAN	61	57	20	-
SILVER BOW	393	376	145	9
STILLWATER	56	51	40	1
SWEET GRASS	28	36	15	-
TETON	43	54	29	1
TOOLE	78	77	22	2
TREASURE	8	11	3	-
VALLEY	85	88	46	-
WHEATLAND	29	28	9	1
WIBAUX	15	16	1	-
YELLOWSTONE	1,210	1,110	819	11

TABLE 21

MARRIAGE AND DIVORCE

MONTANA, 1944-1980

YEAR	MARRIAGES		DIVORCES AND ANNULMENTS	
	NUMBER	RATE*	NUMBER	RATE*
1944	6,433	11.2	1,745	3.1
1945	8,147	14.2	2,380	4.1
1946	12,974	22.4	3,212	5.6
1947	9,769	16.8	2,439	4.2
1948	7,131	12.2	2,090	3.6
1949	6,981	11.9	1,995	3.4
1950	7,235	12.2	1,951	3.3
1951	6,307	10.6	1,837	3.1
1952	6,410	10.6	1,989	3.3
1953	6,597	10.7	1,986	3.2
1954	6,575	10.5	1,966	3.2
1955	6,514	10.2	1,909	3.0
1956	6,770	10.3	1,985	3.0
1957	6,495	9.7	2,004	3.0
1958	6,142	9.2	2,023	3.0
1959	6,228	9.3	2,062	3.1
1960	5,883	8.7	2,003	3.0
1961	5,636	8.3	2,034	3.0
1962	5,051	7.1	1,932	2.7
1963	4,854	6.9	1,909	2.7
1964	4,556	6.5	1,981	2.8
1965	4,688	6.6	2,002	2.8
1966	4,914	7.0	2,087	3.0
1967	5,563	7.9	2,361	3.4
1968	6,250	9.0	2,592	3.7
1969	6,444	9.3	2,806	4.0
1970	6,919	10.0	3,051	4.4
1971	7,128	10.0	3,366	4.7
1972	7,674	10.7	3,609	5.0
1973	7,751	10.8	3,772	5.2
1974	7,741	10.5	3,940	5.4
1975	7,331	9.8	4,286	5.7
1976	7,390	9.8	4,850	6.4
1977	7,547	9.9	4,813	6.3
1978	8,136	10.4	4,877	6.2
1979	8,195	10.4	5,106	6.5
1980	8,336	10.6	4,940	6.3

* PER 1,000 ESTIMATED POPULATION.

TABLE 22

MARRIAGES BY MONTH OF OCCURRENCE

MONTANA, 1980

MONTH	NUMBER	PERCENT	MONTH	NUMBER	PERCENT
MONTANA, TOTAL	8,336	100.0	JUNE	1,108	13.3
			JULY	802	9.6
JANUARY	365	4.4	AUGUST	1,193	14.3
FEBRUARY	458	5.5	SEPTEMBER	757	9.1
MARCH	520	6.2	OCTOBER	611	7.3
APRIL	508	6.1	NOVEMBER	615	7.4
MAY	725	8.7	DECEMBER	674	8.1

TABLE 23

MARRIAGES BY AGE AND PREVIOUS MARITAL STATUS OF BRIDE AND GROOM

MONTANA, 1980

AGE	BRIDE					GROOM				
	TOTAL	PREVIOUS MARITAL STATUS				TOTAL	PREVIOUS MARITAL STATUS			
		SINGLE	WIDOWED	DIVORCED	NOT STATED		SINGLE	WIDOWED	DIVORCED	NOT STATED
TOTAL	8,336	5,557	250	2,525	4	8,336	5,590	225	2,516	5
UNDER 15	-	-	-	-	-	-	-	-	-	-
15-19	1,873	1,841	1	31	-	680	677	-	2	1
20-24	3,383	2,813	11	558	1	3,211	2,969	3	238	1
25-29	1,500	747	19	734	-	2,082	1,440	8	634	-
30-34	683	121	23	538	1	972	348	11	612	1
35-39	313	18	11	282	2	498	73	12	413	-
40-44	180	7	14	159	-	274	30	9	234	1
45-49	129	3	22	104	-	205	20	22	163	-
50-54	95	2	27	66	-	141	12	15	113	1
55-59	61	2	27	32	-	81	9	27	45	-
60-64	43	-	30	13	-	77	2	34	41	-
65-69	42	-	38	4	-	52	4	34	14	-
70-74	20	1	18	1	-	33	3	25	5	-
75 AND OVER	12	1	9	2	-	28	1	25	2	-
NOT STATED	2	1	-	1	-	2	2	-	-	-

TABLE 24

FIRST MARRIAGES* BY AGE OF BRIDE BY AGE OF GROOM

MONTANA, 1980

AGE OF GROOM	AGE OF BRIDE											
	TOTAL ALL AGES	UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55 AND OVER	NOT STATED
TOTAL, ALL AGES	4,622	-	1,680	2,334	531	65	4	6	-	-	1	1
UNDER 15	-	-	-	-	-	-	-	-	-	-	-	-
15-19	649	-	551	95	2	1	-	-	-	-	-	-
20-24	2,614	-	969	1,518	122	4	-	-	-	-	-	1
25-29	1,099	-	144	613	315	26	-	1	-	-	-	-
30-34	215	-	13	96	79	23	1	3	-	-	-	-
35-39	28	-	1	7	10	8	2	-	-	-	-	-
40-44	9	-	2	1	2	3	-	1	-	-	-	-
45-49	4	-	-	1	1	-	1	1	-	-	-	-
50-54	1	-	-	1	-	-	-	-	-	-	-	-
55 AND OVER	1	-	-	-	-	-	-	-	-	-	1	-
NOT STATED	2	-	-	2	-	-	-	-	-	-	-	-

* FIRST MARRIAGE FOR BOTH BRIDE AND GROOM

TABLE 25

MARRIAGES BY RACE OF BRIDE AND GROOM

MONTANA, 1980

GROOM	BRIDE							
	TOTAL	WHITE	NEGRO	INDIAN	CHINESE	JAPANESE	HAWAIIAN	OTHER
TOTAL	8,336	7,997	16	288	3	5	-	27
WHITE	7,975	7,855	1	98	2	4	-	15
NEGRO	40	23	15	2	-	-	-	-
INDIAN	294	105	-	187	-	1	-	1
CHINESE	4	2	-	-	1	-	-	1
JAPANESE	5	5	-	-	-	-	-	-
HAWAIIAN	1	-	-	1	-	-	-	-
OTHER	17	7	-	-	-	-	-	10

TABLE 26

MARITAL TERMINATIONS BY LEGAL GROUNDS FOR DECREE

MONTANA, 1980

TYPES OF MARITAL TERMINATION AND LEGAL GROUNDS.	NUMBER
MARITAL DISSOLUTIONS, TOTAL	4,842
IRRECONCILABLE DIFFERENCES	4,842
INVALID MARRIAGES, TOTAL	98
LACKED CAPACITY TO CONSENT	84
PROHIBITED MARRIAGE	8
LACKED PHYSICAL CAPACITY	6

TABLE 27

MARITAL TERMINATIONS* BY AGE OF HUSBAND AND BY AGE OF WIFE

MONTANA, 1980

AGE OF HUSBAND	AGE OF WIFE											
	TOTAL ALL AGES	UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55 AND OVER	NOT STATED
TOTAL, ALL AGES	4,940	-	167	1,112	1,166	866	603	390	249	147	168	72
UNDER 15	-	-	-	-	-	-	-	-	-	-	-	-
15-19	43	-	31	12	-	-	-	-	-	-	-	-
20-24	693	-	115	506	57	9	3	-	1	-	-	2
25-29	1,082	-	17	444	530	66	16	3	-	-	-	6
30-34	982	-	3	96	416	380	61	17	1	-	-	8
35-39	727	-	-	30	104	274	261	38	12	2	-	6
40-44	493	-	1	13	31	84	161	153	35	5	6	4
45-49	345	-	-	3	13	31	53	115	89	28	8	5
50-54	242	-	-	2	3	16	27	46	78	49	19	2
55 AND OVER	268	-	-	1	4	1	16	17	32	62	134	1
NOT STATED	65	-	-	5	8	5	5	1	1	1	1	38

* INCLUDES BOTH MARITAL DISSOLUTIONS AND INVALID MARRIAGES

TABLE 28

MARITAL TERMINATIONS* BY NUMBER OF CHILDREN** BY AGE OF MOTHER

MONTANA, 1980

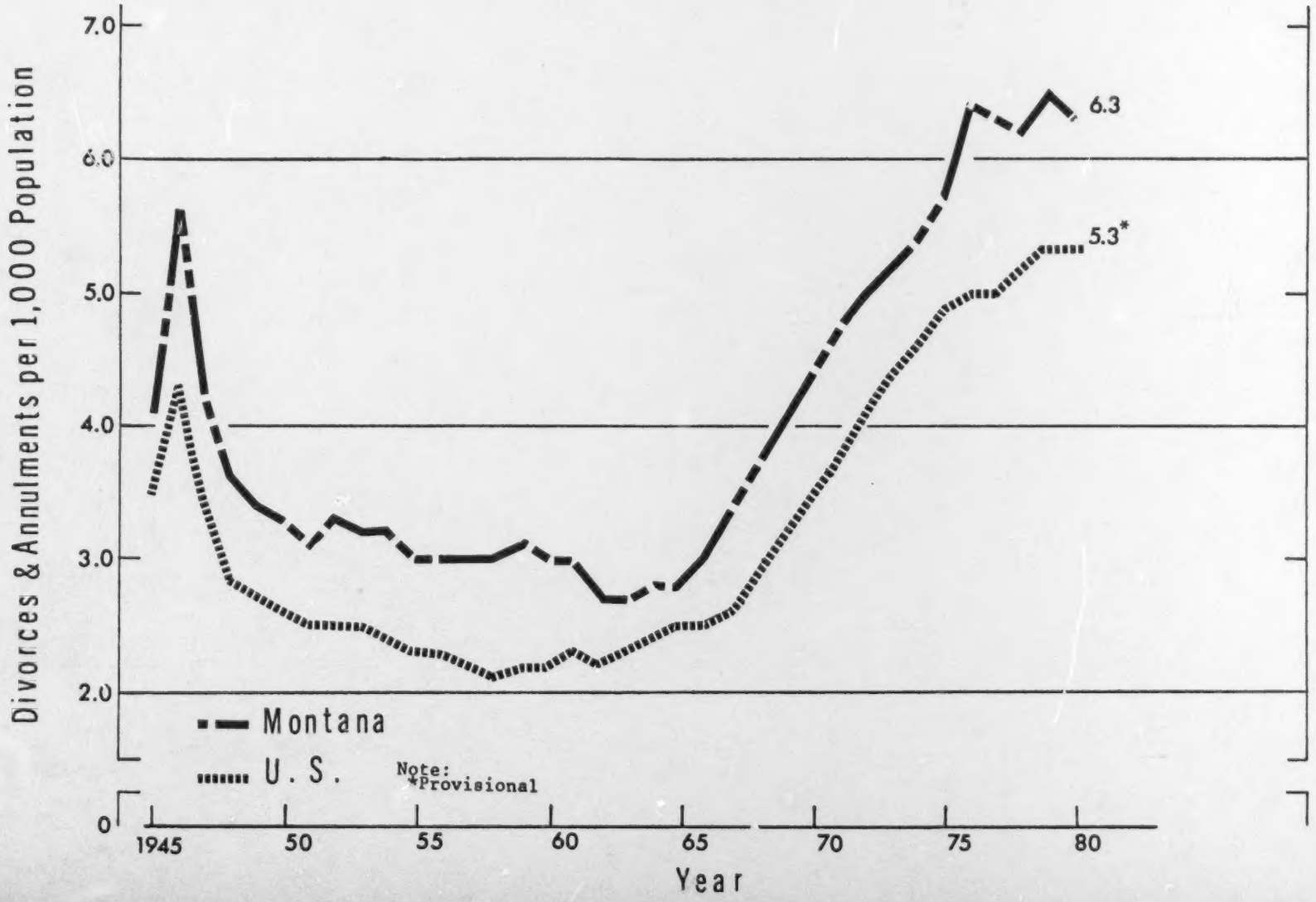
AGE OF MOTHER	NUMBER OF CHILDREN											
	TOTAL	NONE	1	2	3	4	5	6	7	8	9 OR MORE	NOT STATED
TOTAL	4,940	2,185	1,165	1,058	349	106	30	3	5	1	-	38
UNDER 15	-	-	-	-	-	-	-	-	-	-	-	-
15-19	167	85	71	7	-	-	-	-	-	-	-	4
20-24	1,112	520	363	191	27	3	-	-	-	-	-	8
25-29	1,166	457	286	299	88	21	4	-	2	-	-	9
30-34	866	256	162	278	113	44	8	-	1	-	-	4
35-39	603	213	104	162	81	23	13	3	-	1	-	3
40-44	390	177	100	72	26	11	3	-	1	-	-	-
45-49	249	163	40	33	7	2	2	-	-	-	-	2
50-54	147	125	12	6	2	-	-	-	-	-	-	2
55-59	75	67	7	-	-	1	-	-	-	-	-	-
60-64	49	45	2	1	-	-	-	-	-	-	-	1
65-69	25	25	-	-	-	-	-	-	-	-	-	-
70-74	14	14	-	-	-	-	-	-	-	-	-	-
75 AND OVER	5	5	-	-	-	-	-	-	-	-	-	-
NOT STATED	72	33	18	9	5	1	-	-	1	-	-	5

* INCLUDES BOTH MARITAL DISSOLUTIONS AND INVALID MARRIAGES

** NUMBER OF CHILDREN UNDER 18 YEARS OF AGE IN THIS FAMILY

CHART 10

DIVORCE RATES: Montana & U.S., 1945-80



COUNTY SUMMARIES

BIRTHS

RATES

FETAL AND INFANT MORTALITY

DEATHS

POPULATION

NATURAL INCREASE

LEADING CAUSES OF DEATH

DIVORCES

MARRIAGES

OUT-OF-WEDLOCK

COUNTY SUMMARIES

The following table shows summary data for the 56 Montana counties. State figures are shown in the left-hand column on each page for convenience in reference.

The ten leading causes of death shown in the table represent the experience of the entire State. An individual county may have other causes of death which should appear among the top ten. In addition, the rank order of causes for a given county may be different than that for the State.

Rates for live births and deaths are not shown by sex for years other than years in which a federal census is taken. The reason is that population estimates for intercensal years do not provide data by sex.

TABLE 29

SELECTED VITAL STATISTICS FOR 1980

(SEE INTRODUCTION FOR DEFINITIONS OF RATES)

ITEM	MONTANA		BEAVERHEAD		BIG HORN		BLAINE		BROADWATER		CARBON		CARTER		CASCADE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
RESIDENCE																
POPULATION	786,690		8,186		11,096		6,999		3,267		8,099		1,799		80,696	
NATURAL INCREASE	7,544	9.6	59	7.2	180	16.2	88	12.6	10	3.1	30	3.7	9	5.0	924	11.4
LIVE BIRTHS, TOTAL	14,208	18.1	149	18.2	287	25.9	154	22.0	39	11.9	138	17.0	25	13.9	1,521	18.8
SEX-MALE	7,272	18.5	74	17.7	140	25.5	75	21.2	18	10.9	67	16.7	11	12.0	763	18.9
FEMALE	6,936	17.6	75	18.7	147	26.2	79	22.8	21	13.0	71	17.3	14	15.9	758	18.8
OUT-OF-WEDLOCK	1,776	125.0	7	47.0	94	327.5	46	298.7	2	51.3	6	43.5	3	120.0	207	136.1
DEATHS (EXCLUDING FETALS), TOTAL	6,664	8.5	90	11.0	107	9.6	66	9.4	29	8.9	108	13.3	16	8.9	597	7.4
SEX-MALE	3,760	9.6	55	13.2	57	10.4	42	11.9	17	10.3	58	14.5	13	14.1	309	7.7
FEMALE	2,904	7.4	35	8.7	50	8.9	24	6.9	12	7.4	50	12.2	3	3.4	288	7.1
INFANT & FETAL MORTALITY																
INFANT DEATHS (UNDER 1 YEAR)	176	12.4	2	13.4	6	20.9	5	32.5	1	25.6	3	21.7	-	0.0	10	6.6
NEONATAL (UNDER 28 DAYS)	110	7.7	1	6.7	2	7.0	3	19.5	-	0.0	2	14.5	-	0.0	5	3.3
POSTNEONATAL (28 DAYS-1 YEAR)	66	4.6	1	6.7	4	13.9	2	13.0	1	25.6	1	7.2	-	0.0	5	3.3
FETAL DEATHS	104	7.3	3	20.1	6	20.9	1	6.5	1	25.6	-	0.0	-	0.0	11	7.2
PERINATAL DEATHS	214	15.0	4	26.3	8	27.3	4	25.8	1	25.0	2	14.5	-	0.0	16	10.4
LEADING CAUSES OF DEATH (1)																
HEART DISEASE (2)	2,332	296.4	26	317.6	34	306.4	25	357.2	13	397.9	38	469.2	7	389.1	229	283.8
CANCER (2)	1,291	164.1	17	207.7	22	198.3	7	100.0	5	153.0	20	246.9	3	166.8	112	138.8
ACCIDENTS (2)	570	72.5	7	85.5	17	153.2	8	114.3	1	30.6	7	86.4	2	111.2	46	57.0
STROKE	557	70.8	10	122.2	8	72.1	1	14.3	4	122.4	16	197.6	1	55.6	65	80.5
CHR. OBST. PULMONARY DISEASES	262	33.3	6	73.3	1	9.0	-	0.0	1	30.6	3	37.0	-	0.0	15	18.6
PNEUMONIA AND INFLUENZA (2)	193	24.5	-	0.0	5	45.1	1	14.3	1	30.6	4	49.4	1	55.6	20	24.8
ARTERIOSCLEROSIS	139	17.7	2	24.4	2	18.0	4	57.2	-	0.0	1	12.3	1	55.6	21	26.0
SUICIDE	116	14.7	1	12.2	2	18.0	3	42.9	-	0.0	-	0.0	-	0.0	10	12.4
DIABETES (2)	103	13.1	1	12.2	-	0.0	1	14.3	-	0.0	-	0.0	-	0.0	9	11.2
CHR. LIVER DIS. AND CIRRHOSIS	100	12.7	4	48.9	3	27.0	3	42.9	-	0.0	1	12.3	-	0.0	6	7.4
OCCURRENCE																
LIVE BIRTHS, TOTAL	13,874	17.6	67	8.2	244	22.0	50	7.1	24	7.3	64	7.9	16	8.9	1,677	20.8
DEATHS (EXCLUDING FETALS), TOTAL	6,580	8.4	79	9.6	85	7.7	36	5.1	22	6.7	94	11.6	13	7.2	689	8.5
INFANT (UNDER 1 YEAR)	145	10.5	2	29.8	2	8.2	2	40.0	-	0.0	1	15.6	-	0.0	22	13.1
ACCIDENTAL	606	0.8	11	1.3	15	1.4	4	0.6	3	0.9	8	1.0	3	1.7	52	0.6
MOTOR VEHICLE	346	0.4	5	0.6	11	1.0	3	0.4	2	0.6	4	0.5	1	0.6	27	0.3
OTHER ACCIDENTAL	260	0.3	6	0.7	4	0.4	1	0.1	1	0.3	4	0.5	2	1.1	25	0.3
MARRIAGES	8,336	10.6	79	9.6	98	8.8	74	10.6	25	7.7	105	13.0	10	5.6	955	11.8
MARITAL TERMINATIONS	4,940	6.3	50	6.1	37	3.3	27	3.9	29	8.9	25	3.1	5	2.8	566	7.0

(1) RESIDENT CAUSE-SPECIFIC DEATH RATES ARE SHOWN PER 100,000 POPULATION.
(2) SEE TABLE 12 FOR I.C.D. RUBRICS INCLUDED.

TABLE 29

SELECTED VITAL STATISTICS FOR 1980

(SEE INTRODUCTION FOR DEFINITIONS OF RATES)

ITEM	MONTANA		CHOUTEAU		CUSTER		DANIELS		DAWSON		DEER LODGE		FALLON		FERGUS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
RESIDENCE																
POPULATION.	786,690		6,092		13,109		2,835		11,805		12,518		3,763		13,076	
NATURAL INCREASE.	7,544	9.6	41	6.7	94	7.2	-1	-0.4	112	9.5	-3	-0.2	55	14.6	54	4.1
LIVE BIRTHS, TOTAL.	14,208	18.1	99	16.2	230	17.5	41	14.5	226	19.1	155	12.4	81	21.5	204	15.6
SEX-MALE.	7,272	18.5	58	18.4	109	16.9	16	11.2	111	18.6	83	13.2	34	17.9	106	16.4
FEMALE.	6,936	17.6	41	13.9	121	18.1	25	17.8	115	19.7	72	11.6	47	25.2	98	14.8
OUT-OF-WEDLOCK.	1,776	125.0	4	40.4	30	130.4	2	48.8	18	79.6	21	135.5	1	12.3	17	83.3
DEATHS (EXCLUDING FETALS), TOTAL.	6,664	8.5	58	9.5	136	10.4	42	14.8	114	9.7	158	12.6	26	6.9	150	11.5
SEX-MALE.	3,760	9.6	32	10.2	75	11.7	23	16.1	67	11.2	79	12.5	18	9.5	96	14.9
FEMALE.	2,904	7.4	26	8.8	61	9.1	19	13.5	47	8.1	79	12.7	8	4.3	54	8.2
INFANT & FETAL MORTALITY																
INFANT DEATHS (UNDER 1 YEAR). .	176	12.4	-	0.0	2	8.7	-	0.0	3	13.3	2	12.9	1	12.3	1	4.9
NEONATAL (UNDER 28 DAYS). . .	110	7.7	-	0.0	1	4.3	-	0.0	1	4.4	1	6.5	-	0.0	1	4.9
POSTNEONATAL (28 DAYS-1 YEAR)	66	4.6	-	0.0	1	4.3	-	0.0	2	8.8	1	6.5	1	12.3	-	0.0
FETAL DEATHS.	104	7.3	1	10.1	-	0.0	-	0.0	2	8.8	2	12.9	1	12.3	1	4.9
PERINATAL DEATHS.	214	15.0	1	10.0	1	4.3	-	0.0	3	13.2	3	19.1	1	12.2	2	9.8
LEADING CAUSES OF DEATH (1)																
HEART DISEASE (2)	2,332	296.4	26	426.8	47	358.5	10	352.7	42	355.8	54	431.4	8	212.6	36	275.3
CANCER (2).	1,291	164.1	7	114.9	23	175.5	5	176.4	22	186.4	25	199.7	6	159.4	25	191.2
ACCIDENTS (2)	570	72.5	5	82.1	7	53.4	6	211.6	11	93.2	9	71.9	4	106.3	16	122.4
STROKE.	557	70.8	6	98.5	12	91.5	5	176.4	9	76.2	15	119.8	-	0.0	15	114.7
CHR. OBST. PULMONARY DISEASES .	262	33.3	3	49.2	8	61.0	-	0.0	6	50.8	10	79.9	2	53.1	10	76.5
PNEUMONIA AND INFLUENZA (2) . .	193	24.5	1	16.4	9	68.7	1	35.3	2	16.9	3	24.0	3	79.7	5	38.2
ARTERIOSCLEROSIS.	139	17.7	3	49.2	3	22.9	5	176.4	2	16.9	7	55.9	-	0.0	2	15.3
SUICIDE	116	14.7	1	16.4	1	7.6	1	35.3	1	8.5	4	32.0	-	0.0	3	22.9
DIABETES (2).	103	13.1	-	0.0	2	15.3	2	70.5	2	16.9	-	0.0	-	0.0	2	15.3
CHR. LIVER DIS. AND CIRRHOSIS .	100	12.7	1	16.4	3	22.9	-	0.0	2	16.9	5	39.9	-	0.0	-	0.0
OCCURRENCE																
LIVE BIRTHS, TOTAL.	13,874	17.6	29	4.8	376	28.7	36	12.7	241	20.4	91	7.3	33	8.8	242	18.5
DEATHS (EXCLUDING FETALS), TOTAL.	6,580	8.4	39	6.4	176	13.4	36	12.7	90	7.6	143	11.4	21	5.6	161	12.3
INFANT (UNDER 1 YEAR)	145	10.5	-	0.0	2	5.3	-	0.0	2	8.3	1	11.0	1	30.3	-	0.0
ACCIDENTAL.	606	0.8	5	0.8	7	0.5	5	1.8	8	0.7	8	0.6	3	0.8	14	1.1
MOTOR VEHICLE	346	0.4	2	0.3	2	0.2	5	1.8	4	0.3	3	0.2	1	0.3	9	0.7
OTHER ACCIDENTAL.	260	0.3	3	0.5	5	0.4	-	0.0	4	0.3	5	0.4	2	0.5	5	0.4
MARRIAGES	8,336	10.6	64	10.5	130	9.9	30	10.6	135	11.4	131	10.5	40	10.6	152	11.6
MARITAL TERMINATIONS.	4,940	6.3	27	4.4	110	8.4	2	0.7	63	5.3	35	2.8	15	4.0	83	6.3

(1) RESIDENT CAUSE-SPECIFIC DEATH RATES ARE SHOWN PER 100,000 POPULATION.
(2) SEE TABLE 12 FOR I.C.D. RUBRICS INCLUDED.

TABLE 29

SELECTED VITAL STATISTICS FOR 1980

(SEE INTRODUCTION FOR DEFINITIONS OF RATES)

ITEM	MONTANA		FLATHEAD		GALLATIN		GARFIELD		GLACIER		GOLDEN VALLEY		GRANITE		HILL	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
RESIDENCE																
POPULATION	786,690		51,966		42,865		1,656		10,628		1,026		2,700		17,985	
NATURAL INCREASE	7,544	9.6	523	10.1	430	10.0	13	7.8	193	18.2	9	8.8	-2	-0.7	250	13.9
LIVE BIRTHS, TOTAL	14,208	18.1	932	17.9	686	16.0	30	18.1	303	28.5	18	17.5	28	10.4	391	21.7
SEX-MALE	7,272	18.5	463	17.9	348	15.8	14	16.3	149	28.5	10	19.2	16	11.4	207	23.1
FEMALE	6,936	17.6	469	18.0	338	16.2	16	20.0	154	28.5	8	15.8	12	9.3	184	20.4
OUT-OF-WEDLOCK	1,776	125.0	82	88.0	36	52.5	-	0.0	125	412.5	-	0.0	3	107.1	53	135.5
DEATHS (EXCLUDING FETALS), TOTAL	6,664	8.5	409	7.9	256	6.0	17	10.3	110	10.4	9	8.8	30	11.1	141	7.8
SEX-MALE	3,760	9.6	248	9.6	143	6.5	14	16.3	81	15.5	5	9.6	18	12.8	84	9.4
FEMALE	2,904	7.4	161	6.2	113	5.4	3	3.8	29	5.4	4	7.9	12	9.3	57	6.3
INFANT & FETAL MORTALITY																
INFANT DEATHS (UNDER 1 YEAR)	176	12.4	10	10.7	5	7.3	-	0.0	6	19.8	1	55.6	1	35.7	5	12.8
NEONATAL (UNDER 28 DAYS)	110	7.7	6	6.4	4	5.8	-	0.0	6	19.8	1	55.6	-	0.0	4	10.2
POSTNEONATAL (28 DAYS-1 YEAR)	66	4.6	4	4.3	1	1.5	-	0.0	-	0.0	-	0.0	1	35.7	1	2.6
FETAL DEATHS	104	7.3	7	7.5	5	7.3	-	0.0	3	9.9	-	0.0	-	0.0	1	2.6
PERINATAL DEATHS	214	15.0	13	13.8	9	13.0	-	0.0	9	29.4	1	55.6	-	0.0	5	12.8
LEADING CAUSES OF DEATH (1)																
HEART DISEASE (2)	2,332	296.4	143	275.2	84	196.0	5	301.9	21	197.6	6	584.8	10	370.4	47	261.3
CANCER (2)	1,291	164.1	92	177.0	52	121.3	4	241.5	24	225.8	1	97.5	6	222.2	25	139.0
ACCIDENTS (2)	570	72.5	41	78.9	19	44.3	3	181.2	23	216.4	-	0.0	3	111.1	11	61.2
STROKE	557	70.8	26	50.0	23	53.7	-	0.0	3	28.2	1	97.5	-	0.0	9	50.0
CHR. OBST. PULMONARY DISEASES	262	33.3	14	26.9	10	23.3	1	60.4	1	9.4	-	0.0	2	74.1	6	33.4
PNEUMONIA AND INFLUENZA (2)	193	24.5	11	21.2	5	11.7	2	120.8	4	37.6	-	0.0	1	37.0	10	55.6
ARTERIOSCLEROSIS	139	17.7	9	17.3	4	9.3	-	0.0	-	0.0	-	0.0	1	37.0	-	0.0
SUICIDE	116	14.7	8	15.4	4	9.3	-	0.0	6	56.5	-	0.0	1	37.0	1	5.6
DIABETES (2)	103	13.1	8	15.4	6	14.0	1	60.4	-	0.0	-	0.0	-	0.0	2	11.1
CHR. LIVER DIS. AND CIRRHOSIS	100	12.7	7	13.5	5	11.7	-	0.0	1	9.4	-	0.0	1	37.0	4	22.2
OCCURRENCE																
LIVE BIRTHS, TOTAL	13,874	17.6	1,105	21.3	806	18.8	8	4.8	249	23.4	-	0.0	1	0.4	522	29.0
DEATHS (EXCLUDING FETALS), TOTAL	6,580	8.4	390	7.5	261	6.1	10	6.0	83	7.8	4	3.9	25	9.3	143	8.0
INFANT (UNDER 1 YEAR)	145	10.5	9	8.1	6	7.4	-	0.0	1	4.0	-	0.0	-	0.0	3	5.7
ACCIDENTAL	606	0.8	34	0.7	19	0.4	3	1.8	25	2.4	-	0.0	6	2.2	10	0.6
MOTOR VEHICLE	346	0.4	16	0.3	12	0.3	1	0.6	16	1.5	-	0.0	6	2.2	8	0.4
OTHER ACCIDENTAL	260	0.3	18	0.3	7	0.2	2	1.2	9	0.8	-	0.0	-	0.0	2	0.1
MARRIAGES	8,336	10.6	599	11.5	462	10.8	10	6.0	74	7.0	5	4.9	24	8.9	203	11.3
MARITAL TERMINATIONS	4,940	6.3	402	7.7	196	4.6	1	0.6	56	5.3	2	1.9	6	2.2	87	4.8

(1) RESIDENT CAUSE-SPECIFIC DEATH RATES ARE SHOWN PER 100,000 POPULATION.
(2) SEE TABLE 12 FOR I.C.D. RUBRICS INCLUDED.

TABLE 29

SELECTED VITAL STATISTICS FOR 1980

(SEE INTRODUCTION FOR DEFINITIONS OF RATES)

ITEM	MONTANA		JEFFERSON		JUDITH BASIN		LAKE		LEWIS & CLARK		LIBERTY		LINCOLN		MCCONE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
RESIDENCE																
POPULATION.	786,690		7,029		2,646		19,056		43,039		2,329		17,752		2,702	
NATURAL INCREASE.	7,544	9.6	84	12.0	7	2.6	161	8.4	418	9.7	42	18.0	217	12.2	14	5.2
LIVE BIRTHS, TOTAL.	14,208	18.1	134	19.1	32	12.1	360	18.9	731	17.0	57	24.5	340	19.2	34	12.6
SEX-MALE.	7,272	18.5	72	20.3	20	14.6	181	19.0	383	18.2	34	28.8	165	18.4	16	11.2
FEMALE.	6,936	17.6	62	17.8	12	9.4	179	18.8	348	15.8	23	20.1	175	19.9	18	14.2
OUT-OF-WEDLOCK.	1,776	125.0	7	52.2	1	31.2	64	177.8	102	139.5	3	52.6	37	108.8	-	0.0
DEATHS (EXCLUDING FETALS), TOTAL.	6,664	8.5	50	7.1	25	9.4	199	10.4	313	7.3	15	6.4	123	6.9	20	7.4
SEX-MALE.	3,760	9.6	29	8.2	15	11.0	105	11.0	174	8.3	12	10.2	70	7.8	14	9.8
FEMALE.	2,904	7.4	21	6.0	10	7.8	94	9.9	139	6.3	3	2.6	53	6.0	6	4.7
INFANT & FETAL MORTALITY																
INFANT DEATHS (UNDER 1 YEAR). .	176	12.4	3	22.4	-	0.0	5	13.9	5	6.8	-	0.0	2	5.9	1	29.4
NEONATAL (UNDER 28 DAYS). . .	110	7.7	2	14.9	-	0.0	4	11.1	3	4.1	-	0.0	-	0.0	1	29.4
POSTNEONATAL (28 DAYS-1 YEAR)	66	4.6	1	7.5	-	0.0	1	2.8	2	2.7	-	0.0	2	5.9	-	0.0
FETAL DEATHS.	104	7.3	1	7.5	-	0.0	3	8.3	3	4.1	-	0.0	-	0.0	1	29.4
PERINATAL DEATHS.	214	15.0	3	22.2	-	0.0	7	19.3	6	8.2	-	0.0	-	0.0	2	57.1
LEADING CAUSES OF DEATH (1)																
HEART DISEASE (2)	2,332	296.4	13	184.9	8	302.3	75	393.6	92	213.8	6	257.6	37	208.4	7	259.1
CANCER (2).	1,291	164.1	9	128.0	10	377.9	41	215.2	65	151.0	2	85.9	37	208.4	5	185.0
ACCIDENTS (2)	570	72.5	7	99.6	-	0.0	12	63.0	29	67.4	1	42.9	4	22.5	-	0.0
STROKE.	557	70.8	2	28.5	-	0.0	23	120.7	26	60.4	1	42.9	13	73.2	4	148.0
CHR. OBST. PULMONARY DISEASES .	262	33.3	3	42.7	2	75.6	7	36.7	15	34.9	-	0.0	4	22.5	-	0.0
PNEUMONIA AND INFLUENZA (2) . .	193	24.5	1	14.2	-	0.0	1	5.2	6	13.9	-	0.0	7	39.4	-	0.0
ARTERIOSCLEROSIS.	139	17.7	-	0.0	-	0.0	-	0.0	7	16.3	1	42.9	2	11.3	1	37.0
SUICIDE	116	14.7	-	0.0	-	0.0	2	10.5	6	13.9	-	0.0	2	11.3	-	0.0
DIABETES (2).	103	13.1	1	14.2	1	37.8	8	42.0	5	11.6	1	42.9	2	11.3	1	37.0
CHR. LIVER DIS. AND CIRRHOSIS .	100	12.7	-	0.0	-	0.0	1	5.2	5	11.6	1	42.9	1	5.6	-	0.0
OCCURRENCE																
LIVE BIRTHS, TOTAL.	13,874	17.6	2	0.3	1	0.4	317	16.6	828	19.2	59	25.3	227	12.8	17	6.3
DEATHS (EXCLUDING FETALS), TOTAL.	6,580	8.4	32	4.6	12	4.5	175	9.2	353	8.2	19	8.2	98	5.5	22	8.1
INFANT (UNDER 1 YEAR)	145	10.5	1	500.0	-	0.0	1	3.2	6	7.2	-	0.0	2	8.8	-	0.0
ACCIDENTAL.	606	0.8	6	0.9	5	1.9	15	0.8	22	0.5	1	0.4	6	0.3	3	1.1
MOTOR VEHICLE	346	0.4	4	0.6	1	0.4	10	0.5	10	0.2	-	0.0	2	0.1	3	1.1
OTHER ACCIDENTAL.	260	0.3	2	0.3	4	1.5	5	0.3	12	0.3	1	0.4	4	0.2	-	0.0
MARRIAGES	8,336	10.6	53	7.5	21	7.9	195	10.2	478	11.1	19	8.2	171	9.6	19	7.0
MARITAL TERMINATIONS.	4,940	6.3	28	4.0	7	2.6	118	6.2	341	7.9	4	1.7	138	7.8	1	0.4

(1) RESIDENT CAUSE-SPECIFIC DEATH RATES ARE SHOWN PER 100,000 POPULATION.
(2) SEE TABLE 12 FOR I.C.D. RUBRICS INCLUDED.

TABLE 29

SELECTED VITAL STATISTICS FOR 1980

(SEE INTRODUCTION FOR DEFINITIONS OF RATES)

ITEM	MONTANA		MADISON		MEAGHER		MINERAL		MISSOULA		MUSSELSHELL		PARK		PETROLEUM	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
RESIDENCE																
POPULATION.	786,690		5,448		2,154		3,675		76,016		4,428		12,869		655	
NATURAL INCREASE.	7,544	9.6	17	3.1	10	4.6	47	12.8	897	11.8	29	6.5	82	6.4	13	19.8
LIVE BIRTHS, TOTAL.	14,208	18.1	81	14.9	29	13.5	75	20.4	1,385	18.2	76	17.2	215	16.7	18	27.5
SEX-MALE.	7,272	18.5	45	16.3	12	10.7	42	22.4	700	18.6	37	16.5	108	16.8	6	16.9
FEMALE.	6,936	17.6	36	13.4	17	16.4	33	18.4	685	17.9	39	17.7	107	16.6	12	40.1
OUT-OF-WEDLOCK.	1,776	125.0	3	37.0	3	103.4	6	80.0	162	117.0	4	52.6	20	93.0	-	0.0
DEATHS (EXCLUDING FETALS), TOTAL.	6,664	8.5	64	11.7	19	8.8	28	7.6	488	6.4	47	10.6	133	10.3	5	7.6
SEX-MALE.	3,760	9.6	34	12.4	12	10.7	21	11.2	252	6.7	33	14.8	66	10.3	1	2.8
FEMALE.	2,904	7.4	30	11.1	7	6.8	7	3.9	236	6.2	14	6.4	67	10.4	4	13.4
INFANT & FETAL MORTALITY																
INFANT DEATHS (UNDER 1 YEAR). .	176	12.4	-	0.0	1	34.5	-	0.0	21	15.2	-	0.0	1	4.7	-	0.0
NEONATAL (UNDER 28 DAYS). . .	110	7.7	-	0.0	-	0.0	-	0.0	13	9.4	-	0.0	1	4.7	-	0.0
POSTNEONATAL (28 DAYS-1 YEAR)	66	4.6	-	0.0	1	34.5	-	0.0	8	5.8	-	0.0	-	0.0	-	0.0
FETAL DEATHS.	104	7.3	2	24.7	-	0.0	-	0.0	10	7.2	1	13.2	3	14.0	-	0.0
PERINATAL DEATHS.	214	15.0	2	24.1	-	0.0	-	0.0	23	16.5	1	13.0	4	18.3	-	0.0
LEADING CAUSES OF DEATH (1)																
HEART DISEASE (2)	2,332	296.4	15	275.3	5	232.1	11	299.3	152	200.0	19	429.1	48	373.0	3	458.0
CANCER (2).	1,291	164.1	8	146.8	3	139.3	6	163.3	95	125.0	8	180.7	31	240.9	2	305.3
ACCIDENTS (2)	570	72.5	9	165.2	5	232.1	6	163.3	46	60.5	3	67.8	6	46.6	-	0.0
STROKE.	557	70.8	5	91.8	-	0.0	-	0.0	49	64.5	4	90.3	13	101.0	-	0.0
CHR. OBST. PULMONARY DISEASES .	262	33.3	4	73.4	-	0.0	1	27.2	20	26.3	1	22.6	8	62.2	-	0.0
PNEUMONIA AND INFLUENZA (2) . .	193	24.5	1	18.4	1	46.4	1	27.2	8	10.5	2	45.2	3	23.3	-	0.0
ARTERIOSCLEROSIS.	139	17.7	3	55.1	-	0.0	-	0.0	7	9.2	1	22.6	2	15.5	-	0.0
SUICIDE	116	14.7	-	0.0	-	0.0	-	0.0	12	15.8	1	22.6	-	0.0	-	0.0
DIABETES (2).	103	13.1	1	18.4	-	0.0	-	0.0	8	10.5	1	22.6	1	7.8	-	0.0
CHR. LIVER DIS. AND CIRRHOSIS .	100	12.7	1	18.4	-	0.0	-	0.0	10	13.2	-	0.0	2	15.5	-	0.0
OCCURRENCE																
LIVE BIRTHS, TOTAL.	13,874	17.6	80	14.7	20	9.3	41	11.2	1,593	21.0	32	7.2	146	11.3	1	1.5
DEATHS (EXCLUDING FETALS), TOTAL.	6,580	8.4	54	9.9	17	7.9	27	7.3	599	7.9	31	7.0	126	9.8	1	1.5
INFANT (UNDER 1 YEAR)	145	10.5	-	0.0	1	50.0	-	0.0	21	13.2	-	0.0	1	6.8	-	0.0
ACCIDENTAL.	606	0.8	7	1.3	6	2.8	13	3.5	62	0.8	1	0.2	5	0.4	-	0.0
MOTOR VEHICLE	346	0.4	3	0.6	4	1.9	7	1.9	35	0.5	1	0.2	4	0.3	-	0.0
OTHER ACCIDENTAL.	260	0.3	4	0.7	2	0.9	6	1.6	27	0.4	-	0.0	1	0.1	-	0.0
MARRIAGES	8,336	10.6	75	13.8	31	14.4	39	10.6	831	10.9	39	8.8	164	12.7	4	6.1
MARITAL TERMINATIONS.	4,940	6.3	17	3.1	18	8.4	21	5.7	695	9.1	13	2.9	104	8.1	1	1.5

(1) RESIDENT CAUSE-SPECIFIC DEATH RATES ARE SHOWN PER 100,000 POPULATION.
(2) SEE TABLE 12 FOR I.C.D. RUBRICS INCLUDED.

TABLE 29

SELECTED VITAL STATISTICS FOR 1980

(SEE INTRODUCTION FOR DEFINITIONS OF RATES)

ITEM	MONTANA		PHILLIPS		PONDERA		POWDER RIVER		POWELL		PRAIRIE		RAVALLI		RICHLAND	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
RESIDENCE																
POPULATION.	786,690		5,367		6,731		2,520		6,958		1,836		22,493		12,243	
NATURAL INCREASE.	7,544	9.6	43	8.0	83	12.3	24	9.5	35	5.0	1	0.5	128	5.7	200	16.3
LIVE BIRTHS, TOTAL.	14,208	18.1	104	19.4	131	19.5	48	19.0	102	14.7	17	9.3	343	15.2	295	24.1
SEX-MALE.	7,272	18.5	59	21.6	63	18.8	29	22.6	51	13.5	8	9.0	190	17.0	149	23.6
FEMALE.	6,936	17.6	45	17.1	68	20.1	19	15.4	51	16.0	9	9.5	153	13.5	146	24.6
OUT-OF-WEDLOCK.	1,776	125.0	7	67.3	26	198.5	1	20.8	9	88.2	-	0.0	26	75.8	18	61.0
DEATHS (EXCLUDING FETALS), TOTAL.	6,664	8.5	61	11.4	48	7.1	24	9.5	67	9.6	16	8.7	215	9.6	95	7.8
SEX-MALE.	3,760	9.6	42	15.4	32	9.6	16	12.5	38	10.1	8	9.0	121	10.8	53	8.4
FEMALE.	2,904	7.4	19	7.2	16	4.7	8	6.5	29	9.1	8	8.5	94	8.3	42	7.1
INFANT & FETAL MORTALITY																
INFANT DEATHS (UNDER 1 YEAR). .	176	12.4	2	19.2	2	15.3	1	20.8	1	9.8	-	0.0	4	11.7	4	13.6
NEONATAL (UNDER 28 DAYS). . .	110	7.7	1	9.6	2	15.3	-	0.0	1	9.8	-	0.0	2	5.8	2	6.8
POSTNEONATAL (28 DAYS-1 YEAR)	66	4.6	1	9.6	-	0.0	1	20.8	-	0.0	-	0.0	2	5.8	2	6.8
FETAL DEATHS.	104	7.3	2	19.2	1	7.6	-	0.0	-	0.0	-	0.0	3	8.7	3	10.2
PERINATAL DEATHS.	214	15.0	3	28.3	3	22.7	-	0.0	1	9.8	-	0.0	5	14.4	5	16.8
LEADING CAUSES OF DEATH (1)																
HEART DISEASE (2)	2,332	296.4	30	559.0	19	282.3	9	357.1	23	330.6	10	544.7	83	369.0	43	351.2
CANCER (2).	1,291	164.1	14	260.9	5	74.3	5	198.4	11	158.1	5	272.3	50	222.3	20	163.4
ACCIDENTS (2)	570	72.5	2	37.3	4	59.4	2	79.4	5	71.9	-	0.0	19	84.5	11	89.8
STROKE.	557	70.8	5	93.2	5	74.3	2	79.4	5	71.9	1	54.5	18	80.0	3	24.5
CHR. OBST. PULMONARY DISEASES .	262	33.3	1	18.6	-	0.0	3	119.0	5	71.9	-	0.0	13	57.8	3	24.5
PNEUMONIA AND INFLUENZA (2) . .	193	24.5	-	0.0	2	29.7	1	39.7	2	28.7	-	0.0	7	31.1	2	16.3
ARTERIOSCLEROSIS.	139	17.7	-	0.0	4	59.4	-	0.0	2	28.7	-	0.0	3	13.3	-	0.0
SUICIDE	116	14.7	2	37.3	-	0.0	1	39.7	1	14.4	-	0.0	2	8.9	1	8.2
DIABETES (2).	103	13.1	2	37.3	1	14.9	-	0.0	2	28.7	-	0.0	6	26.7	1	8.2
CHR. LIVER DIS. AND CIRRHOSIS .	100	12.7	1	18.6	1	14.9	-	0.0	2	28.7	-	0.0	1	4.4	-	0.0
OCCURRENCE																
LIVE BIRTHS, TOTAL.	13,874	17.6	64	11.9	115	17.1	1	0.4	96	13.8	7	3.8	252	11.2	188	15.4
DEATHS (EXCLUDING FETALS), TOTAL.	6,580	8.4	60	11.2	40	5.9	11	4.4	50	7.2	16	8.7	177	7.9	68	5.6
INFANT (UNDER 1 YEAR)	145	10.5	1	15.6	1	8.7	-	0.0	1	10.4	-	0.0	1	4.0	2	10.6
ACCIDENTAL.	606	0.8	12	2.2	2	0.3	1	0.4	7	1.0	3	1.6	13	0.6	8	0.7
MOTOR VEHICLE	346	0.4	12	2.2	1	0.1	1	0.4	6	0.9	3	1.6	6	0.3	6	0.5
OTHER ACCIDENTAL.	260	0.3	-	0.0	1	0.1	-	0.0	1	0.1	-	0.0	7	0.3	2	0.2
MARRIAGES	8,336	10.6	58	10.8	61	9.1	21	8.3	66	9.5	12	6.5	202	9.0	166	13.6
MARITAL TERMINATIONS.	4,940	6.3	28	5.2	21	3.1	8	3.2	44	6.3	3	1.6	113	5.0	55	4.5

(1) RESIDENT CAUSE-SPECIFIC DEATH RATES ARE SHOWN PER 100,000 POPULATION.
(2) SEE TABLE 12 FOR I.C.D. RUBRICS INCLUDED.

TABLE 29

SELECTED VITAL STATISTICS FOR 1980

(SEE INTRODUCTION FOR DEFINITIONS OF RATES)

ITEM	MONTANA		ROOSEVELT		ROSEBUD		SANDERS		SHERIDAN		SILVER BOW		STILLWATER		SWEET GRASS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
RESIDENCE																
POPULATION.	786,690		10,467		9,899		8,675		5,414		38,092		5,598		3,216	
NATURAL INCREASE.	7,544	9.6	122	11.7	139	14.0	45	5.2	39	7.2	65	1.7	20	3.6	6	1.9
LIVE BIRTHS, TOTAL.	14,208	18.1	236	22.5	212	21.4	128	14.8	103	19.0	585	15.4	83	14.8	54	16.8
SEX-MALE.	7,272	18.5	113	21.8	118	23.2	75	17.0	55	20.3	306	16.5	34	12.1	28	16.9
FEMALE.	6,936	17.6	123	23.3	94	19.5	53	12.4	48	17.7	279	14.3	49	17.6	26	16.6
OUT-OF-WEDLOCK.	1,776	125.0	73	309.3	46	217.0	8	62.5	2	19.4	74	126.5	10	120.5	2	37.0
DEATHS (EXCLUDING FETALS), TOTAL.	6,664	8.5	114	10.9	73	7.4	83	9.6	64	11.8	520	13.7	63	11.3	48	14.9
SEX-MALE.	3,760	9.6	60	11.6	39	7.7	53	12.0	34	12.6	283	15.2	42	15.0	30	18.1
FEMALE.	2,904	7.4	54	10.2	34	7.0	30	7.0	30	11.1	237	12.2	21	7.5	18	11.5
INFANT & FETAL MORTALITY																
INFANT DEATHS (UNDER 1 YEAR). .	176	12.4	4	16.9	2	9.4	-	0.0	2	19.4	9	15.4	-	0.0	1	18.5
NEONATAL (UNDER 28 DAYS). . .	110	7.7	2	8.5	2	9.4	-	0.0	2	19.4	3	5.1	-	0.0	1	18.5
POSTNEONATAL (28 DAYS-1 YEAR)	66	4.6	2	8.5	-	0.0	-	0.0	-	0.0	6	10.3	-	0.0	-	0.0
FETAL DEATHS.	104	7.3	-	0.0	2	9.4	1	7.8	-	0.0	8	13.7	1	12.0	-	0.0
PERINATAL DEATHS.	214	15.0	2	8.5	4	18.7	1	7.8	2	19.4	11	18.5	1	11.9	1	18.5
LEADING CAUSES OF DEATH (1)																
HEART DISEASE (2)	2,332	296.4	34	324.8	24	242.4	24	276.7	23	424.8	203	532.9	25	446.6	9	279.8
CANCER (2).	1,291	164.1	19	181.5	6	60.6	20	230.5	9	166.2	88	231.0	12	214.4	9	279.8
ACCIDENTS (2)	570	72.5	7	66.9	11	111.1	9	103.7	7	129.3	35	91.9	3	53.6	3	93.3
STROKE.	557	70.8	11	105.1	3	30.3	8	92.2	7	129.3	37	97.1	3	53.6	17	528.6
CHR. OBST. PULMONARY DISEASES .	262	33.3	4	38.2	1	10.1	4	46.1	-	0.0	25	65.6	2	35.7	1	31.1
PNEUMONIA AND INFLUENZA (2) . .	193	24.5	8	76.4	7	70.7	1	11.5	3	55.4	20	52.5	1	17.9	-	0.0
ARTERIOSCLEROSIS.	139	17.7	5	47.8	2	20.2	-	0.0	1	18.5	16	42.0	1	17.9	1	31.1
SUICIDE	116	14.7	1	9.6	2	20.2	4	46.1	-	0.0	5	13.1	1	17.9	1	31.1
DIABETES (2).	103	13.1	1	9.6	1	10.1	1	11.5	1	18.5	4	10.5	2	35.7	-	0.0
CHR. LIVER DIS. AND CIRRHOSIS .	100	12.7	6	57.3	3	30.3	1	11.5	-	0.0	6	15.8	1	17.9	-	0.0
OCCURRENCE																
LIVE BIRTHS, TOTAL.	13,874	17.6	191	18.2	16	1.6	58	6.7	94	17.4	752	19.7	100	17.9	38	11.8
DEATHS (EXCLUDING FETALS), TOTAL.	6,580	8.4	102	9.7	43	4.3	59	6.8	56	10.3	520	13.7	58	10.4	36	11.2
INFANT (UNDER 1 YEAR)	145	10.5	1	5.2	-	0.0	-	0.0	1	10.6	9	12.0	2	20.0	-	0.0
ACCIDENTAL.	606	0.8	11	1.0	8	0.8	7	0.8	7	1.3	28	0.7	6	1.1	4	1.2
MOTOR VEHICLE	346	0.4	6	0.6	5	0.5	3	0.3	4	0.7	9	0.2	4	0.7	2	0.6
OTHER ACCIDENTAL.	260	0.3	5	0.5	3	0.3	4	0.5	3	0.6	19	0.5	2	0.4	2	0.6
MARRIAGES	8,336	10.6	150	14.3	72	7.3	80	9.2	57	10.5	376	9.9	51	9.1	36	11.2
MARITAL TERMINATIONS.	4,940	6.3	74	7.1	53	5.4	37	4.3	20	3.7	154	4.0	41	7.3	15	4.7

(1) RESIDENT CAUSE-SPECIFIC DEATH RATES ARE SHOWN PER 100,000 POPULATION.
(2) SEE TABLE 12 FOR I.C.D. RUBRICS INCLUDED.

TABLE 29

SELECTED VITAL STATISTICS FOR 1980

(SEE INTRODUCTION FOR DEFINITIONS OF RATES)

ITEM	MONTANA		TETON		TOOLE		TREASURE		VALLEY		WHEATLAND		WIBAUX		YELLOWSTONE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
RESIDENCE																
POPULATION	786,690		6,491		5,559		981		10,250		2,359		1,476		108,035	
NATURAL INCREASE	7,544	9.6	52	8.0	63	11.3	15	15.3	106	10.3	20	8.5	10	6.8	1,222	11.3
LIVE BIRTHS, TOTAL	14,208	18.1	118	18.2	106	19.1	21	21.4	192	18.7	38	16.1	24	16.3	1,964	18.2
SEX-MALE	7,272	18.5	68	20.9	59	21.5	10	20.4	114	22.1	21	18.0	13	16.9	1,016	19.2
FEMALE	6,936	17.6	50	15.5	47	16.7	11	22.4	78	15.3	17	14.2	11	15.5	948	17.2
OUT-OF-WEDLOCK	1,776	125.0	5	42.4	11	103.8	1	47.6	25	130.2	3	78.9	2	83.3	258	131.4
DEATHS (EXCLUDING FETALS), TOTAL	6,664	8.5	66	10.2	43	7.7	6	6.1	86	8.4	18	7.6	14	9.5	742	6.9
SEX-MALE	3,760	9.6	40	12.3	20	7.3	4	8.2	57	11.0	10	8.6	8	10.4	398	7.5
FEMALE	2,904	7.4	26	8.0	23	8.2	2	4.1	29	5.7	8	6.7	6	8.5	344	6.2
INFANT & FETAL MORTALITY																
INFANT DEATHS (UNDER 1 YEAR)	176	12.4	2	16.9	1	9.4	-	0.0	9	46.9	2	52.6	-	0.0	27	13.7
NEONATAL (UNDER 28 DAYS)	110	7.7	1	8.5	1	9.4	-	0.0	8	41.7	1	26.3	-	0.0	19	9.7
POSTNEONATAL (28 DAYS-1 YEAR)	66	4.6	1	8.5	-	0.0	-	0.0	1	5.2	1	26.3	-	0.0	8	4.1
FETAL DEATHS	104	7.3	-	0.0	1	9.4	-	0.0	1	5.2	-	0.0	-	0.0	12	6.1
PERINATAL DEATHS	214	15.0	1	8.5	2	18.7	-	0.0	9	46.6	1	26.3	-	0.0	31	15.7
LEADING CAUSES OF DEATH (1)																
HEART DISEASE (2)	2,332	296.4	20	308.1	14	251.8	5	509.7	29	282.9	4	169.6	6	406.5	293	271.2
CANCER (2)	1,291	164.1	12	184.9	16	287.8	-	0.0	17	165.9	3	127.2	1	67.8	144	133.3
ACCIDENTS (2)	570	72.5	10	154.1	2	36.0	-	0.0	10	97.6	1	42.4	2	135.5	53	49.1
STROKE	557	70.8	5	77.0	2	36.0	-	0.0	2	19.5	1	42.4	-	0.0	53	49.1
CHR. OBST. PULMONARY DISEASES	262	33.3	3	46.2	2	36.0	1	101.9	3	29.3	1	42.4	1	67.8	25	23.1
PNEUMONIA AND INFLUENZA (2)	193	24.5	-	0.0	2	36.0	-	0.0	1	9.8	-	0.0	1	67.8	15	13.9
ARTERIOSCLEROSIS	139	17.7	-	0.0	-	0.0	-	0.0	3	29.3	-	0.0	1	67.8	9	8.3
SUICIDE	116	14.7	1	15.4	2	36.0	-	0.0	3	29.3	-	0.0	-	0.0	19	17.6
DIABETES (2)	103	13.1	1	15.4	-	0.0	-	0.0	1	9.8	2	84.8	-	0.0	11	10.2
CHR. LIVER DIS. AND CIRRHOSIS	100	12.7	-	0.0	1	18.0	-	0.0	-	0.0	1	42.4	-	0.0	9	8.3
OCCURRENCE																
LIVE BIRTHS, TOTAL	13,874	17.6	84	12.9	73	13.1	-	0.0	186	18.1	21	8.9	-	0.0	2,293	21.2
DEATHS (EXCLUDING FETALS), TOTAL	6,580	8.4	49	7.5	33	5.9	2	2.0	71	6.9	14	5.9	6	4.1	943	8.7
INFANT (UNDER 1 YEAR)	145	10.5	1	11.9	1	13.7	-	0.0	4	21.5	1	47.6	-	0.0	32	14.0
ACCIDENTAL	606	0.8	5	0.8	1	0.2	-	0.0	9	0.9	2	0.8	2	1.4	75	0.7
MOTOR VEHICLE	346	0.4	1	0.2	-	0.0	-	0.0	5	0.5	-	0.0	2	1.4	48	0.4
OTHER ACCIDENTAL	260	0.3	4	0.6	1	0.2	-	0.0	4	0.4	2	0.8	-	0.0	27	0.2
MARRIAGES	8,336	10.6	54	8.3	77	13.9	11	11.2	88	8.6	28	11.9	16	10.8	1,110	10.3
MARITAL TERMINATIONS	4,940	6.3	30	4.6	24	4.3	3	3.1	46	4.5	10	4.2	1	0.7	830	7.7

(1) RESIDENT CAUSE-SPECIFIC DEATH RATES ARE SHOWN PER 100,000 POPULATION.
(2) SEE TABLE 12 FOR I.C.D. RUBRICS INCLUDED.

MORBIDITY

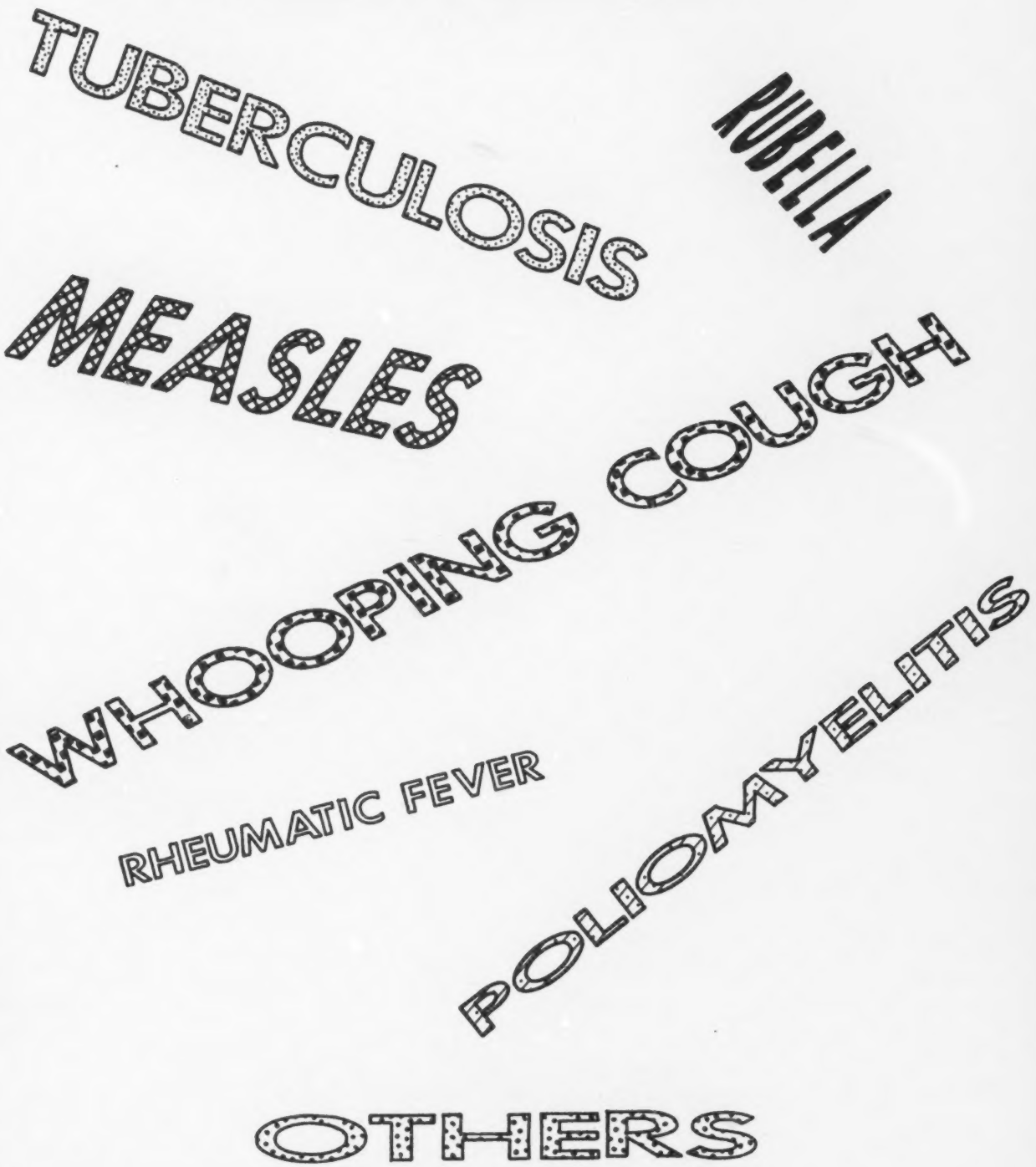

TUBERCULOSIS
RUBELLA
MEASLES
WHOOPING COUGH
RHEUMATIC FEVER
POLIOMYELITIS
OTHERS

TABLE 30
REPORTED CASES OF REPORTABLE DISEASES
MONTANA COUNTIES, 1980
(By place of residence)

COUNTY	ASEPTIC MENINGITIS	BRUCELLOSIS	DIPHTHERIA	GONORRHEA	HEPATITIS, INFECTIOUS AND SERUM	MEASLES (RUBEOLA)	RUBELLA (GERMAN MEASLES)	MENINGOCOCCAL INFECTIONS	PERTUSSIS (WHOOPING COUGH)	POLIOMYELITIS	ROCKY MOUNTAIN SPOTTED FEVER	SALMONELLOSIS		SHIGELLOSIS	SYPHILIS	TETANUS	TRICHINOSIS	TULAREMIA
												TYPHOID FEVER	OTHER					
MONTANA, TOTAL	18	-	-	1,503	179	2	46	6	3	-	3	1	168	32	26	-	-	10*
BEAVERHEAD	1	-	-	8	3	-	-	-	-	-	-	-	-	-	-	-	-	-
BIG HORN	1	-	-	52	48	-	-	-	-	-	-	-	2	-	1	-	-	6
BLAINE	-	-	-	35	3	-	-	-	-	-	-	-	1	-	-	-	-	-
BROADWATER	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CARBON	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	1
CARTER	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CASCADE	-	-	-	192	18	-	-	3	-	-	1	-	13	2	12	-	-	-
CHOUTEAU	-	-	-	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
CUSTER	-	-	-	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DANIELS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DAWSON	-	-	-	6	1	-	-	-	-	-	-	-	3	1	1	-	-	-
DEER LODGE	-	-	-	11	2	-	-	-	-	-	-	-	-	-	1	-	-	-
FALLON	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FERGUS	-	-	-	17	1	-	-	-	-	-	-	-	2	-	1	-	-	-
FLATHEAD	-	-	-	83	-	-	2	-	-	-	-	-	-	-	2	-	-	-
GALLATIN	2	-	-	63	3	-	3	-	-	-	-	-	3	2	-	-	-	-
GARFIELD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GLACIER	-	-	-	59	24	-	1	-	1	-	-	-	-	1	-	-	-	-
GOLDEN VALLEY	-	-	-	-	2	-	-	-	-	-	1	-	-	-	-	-	-	-
GRANITE	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HILL	-	-	-	39	6	1	-	-	-	-	-	-	11	1	-	-	-	-
JEFFERSON	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JUDITH BASIN	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
LAKE	1	-	-	39	6	-	3	2	-	-	-	1	3	1	-	-	-	1
LEWIS & CLARK	1	-	-	58	3	-	-	1	-	-	-	-	8	-	1	-	-	-
LIBERTY	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LINCOLN	-	-	-	9	-	-	1	-	-	-	-	-	-	-	-	-	-	-
McCONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADISON	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MEAGHER	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 30
REPORTED CASES OF REPORTABLE DISEASES
MONTANA COUNTIES, 1980
(By place of residence)

COUNTY	ASEPTIC MENINGITIS	BRUCELLOSIS	DIPHTHERIA	GONORRHEA	HEPATITIS, INFECTIOUS AND SERUM	MEASLES (RUBEOLA)	RUBELLA (GERMAN MEASLES)	MENINGOCOCCAL INFECTIONS	PERTUSSIS (WHOOPING COUGH)	POLIOMYELITIS	ROCKY MOUNTAIN SPOTTED FEVER	SALMONELLOSIS		SHIGELLOSIS	SYPHILIS	TETANUS	TRICHINOSIS	TULAREMIA
												TYPHOID FEVER	OTHER					
MINERAL	-	-	-	5	-	-	1	-	-	-	-	-	-	-	-	-	-	-
MISSOULA	3	-	-	244	7	1	34	-	-	-	-	-	89	3	1	-	-	-
MUSSELSHELL	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PARK	-	-	-	7	-	-	-	-	-	-	-	-	3	1	-	-	-	-
PETROLEUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHILLIPS	-	-	-	9	-	-	-	-	-	-	-	-	1	-	-	-	-	-
PONDERA	1	-	-	5	5	-	1	-	-	-	-	-	3	-	-	-	-	-
POWDER RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POWELL	1	-	-	8	3	-	-	-	-	-	-	-	2	2	2	-	-	-
PRAIRIE	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RAVALLI	1	-	-	10	7	-	-	-	1	-	-	-	2	3	1	-	-	-
RICHLAND	-	-	-	12	1	-	-	-	-	-	-	-	1	-	1	-	-	-
ROOSEVELT	-	-	-	46	2	-	-	-	-	-	-	-	1	1	1	-	-	-
ROSEBUD	-	-	-	72	-	-	-	-	-	-	-	-	1	11	-	-	-	-
SANDERS	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-
SHERIDAN	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SILVER BOW	1	-	-	46	10	-	-	-	-	-	1	-	3	-	-	-	-	-
STILLWATER	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWEET GRASS	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
TETON	-	-	-	6	-	-	-	-	-	-	-	-	1	-	-	-	-	-
TOOLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TREASURE	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VALLEY	-	-	-	17	1	-	-	-	1	-	-	-	-	-	-	-	-	1
WHEATLAND	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WIBAUX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YELLOWSTONE	2	-	-	289	21	-	-	-	-	-	-	-	13	2	1	-	-	-

* One case of Tularemia was reported to a resident of Yellowstone National Park.

AVAILABILITY OF DATA

This report has been published annually since 1954 by the Bureau of Records and Statistics. Single copies of this publication are available without charge as long as the supply lasts. Copies of the 1970, 1972, 1974, 1975, 1977, 1978, and 1979 reports are still available; however, the reserve copies for 1971, 1973, 1976, and years prior to 1970 have been exhausted. Specific information from any report will be supplied on request. Inquiries should be addressed to the Bureau of Records and Statistics, Montana Department of Health and Environmental Sciences, Helena, Montana 59620.

Additional tabulations can be produced to satisfy individual requests. In such instances, the requestor may be asked to reimburse the Bureau for production costs. Uncomplicated tabulations can usually be produced without cost to the requestor. Involved tabulations requiring extensive computer utilization may require reimbursement for programming costs and computer charges. Beyond this, the production of special tabulations is subject to the availability of personnel and must not violate the policy of the Montana Board of Health and Environmental Sciences that all records and information concerning individuals received in the offices of the Department are confidential. This is not usually a concern in reports of a statistical or tabular nature in which identification of the individual does not appear.

3
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MONTANA

VITAL STATISTICS

1981

Honorable Ted Schwinden
Governor of Montana

John J. Drynan, M.D.
Director
State Department of Health and Environmental Sciences

Raymond J. Hoffman
Administrator
Centralized Services Division

John C. Wilson, M.S.
Chief
Bureau of Records and Statistics

June, 1983

SYMBOLS USED IN THIS REPORT

Quantity is zero in frequency tables (one dash)	-
Rate or percent is less than or equal to 0.05	0.0
Data not available or not applicable (three dashes) . .	---

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INTRODUCTION

This report provides a ready reference to some of the more frequently used vital statistics for Montana. The report is intended primarily for reference, so there is a minimum of analysis and interpretation of the data. Where space permits, 1981 data are accompanied by figures for the previous year or years so comparisons may be made. Only information of general interest is published here, however, in most cases, more detailed data are available upon request.

Records collected by the Montana Department of Health and Environmental Sciences provide the basis for the tabulations. These records include certificates of birth, death, and fetal death (stillbirth), and transcripts showing information on marriage, marital termination, morbidity, and legally induced abortion.

LIMITATIONS OF THESE DATA

Delay in Filing

This report includes all 1981 vital records received before May 15, 1982. The number of records received after this date is so few, it is of little consequence.

Geographic Allocation

Births and deaths may be tabulated by place of occurrence or by place of residence. For example, if a resident of Florida is killed in an automobile accident in Montana, his death is counted as an occurrence in Montana but is included in Florida's residence statistics. For deaths, the place of residence is the usual residence of the decedent. For births, the place of residence of the child is the same as the mother's.

Residence data are tabulated by using a system of exchange of certificates with other states and the provinces of Canada. Titles of tables in this report indicate whether data are shown by residence or occurrence.

Medical Certification

Causes of death reported on death certificates are classified according to the Ninth Revision of the International Classification of Diseases (I.C.D.). The objective of the coding procedures used in this classification is to select the underlying cause of death from information provided by the attending physician or coroner.

The medical certification section of the Montana Death Certificate asks for information on the causal and chronological sequence of events leading to death. It consists of two parts. Part I is used for reporting the causes leading directly to death. The interval between onset and death is indicated for each condition. Part II is for reporting any other important diseases or conditions that influenced the course of the illness unfavorably, thus contributing to the fatal outcome but which were not related to the disease or condition reported as the immediate cause of death. To illustrate, a medical certification might read as follows:

Part I. Death was caused by:	Duration
Immediate cause (a) postoperative bronchial pneumonia	3 days
Due to (b) lobectomy	1 week
Due to (c) primary cancer of lung	1 year

Part II.

Hypertensive cardiovascular disease

This death would be assigned to I.C.D. rubric 162.9 (malignant neoplasm of bronchus and lung).

Deaths are classified in this way whenever possible. Exceptions must be made when the underlying cause is not apparent from the certification and when clarification cannot be obtained. In these instances, a system of rules is applied to select the probable underlying cause.

Race

It is difficult to tabulate vital events by race when the persons under question are of mixed blood. The statement of race on the certificates usually reflects the opinion of the informant and does not follow any prescribed rules for the reporting of race. For the most part, racial data in this report are shown simply as "white" and "other." This minimizes confusion with concepts of nationality, country of origin of parents, or other characteristics. In the racial classification used, white includes "Mexican."

Legitimacy

The Montana Certificate of Live Birth does not contain an item regarding the legitimacy of the child. The rules of the Montana Department of Health and Environmental Sciences require: "If the mother was not married at the time of birth, and had not been married within ten months of the birth the name of the father must not be entered on the certificate of birth unless accompanied by the written consent of both the mother and the father."

Births are inferred to be illegitimate if information regarding the father is omitted. They are also classified as out-of-wedlock if they are accompanied by the required paternity affidavits. Individual consideration is given certificates where the surname used in the mother's signature does not agree with the surname of the father.

Limitations of Small Numbers

The occurrence of events recorded in this publication is subject to chance variation. For example, an infant death at 11:59 P.M. on December 31 would be counted in one year, however, if the infant lived only two minutes longer and died at 12:01, the death would be counted in the following year. This phenomenon is not of great importance for counties with substantial populations since the relative number of infant deaths will not be greatly affected by one event. In the case of counties with small populations, the occurrence of even one event may produce a rate which is well above the average for the state.

When the number of events is displayed, the occurrence of small numbers is obvious. However, when rates or percentages are shown, the fact that they might be based on small numbers of events might not be immediately apparent.

In some instances an attempt is made to ameliorate the problem by adding data together for several years (for example, the five-year infant mortality rates shown in Table 13). However, use of multi-year rates in these tables has been limited because such rates often conceal changes in trends within the period under scrutiny.

Population Estimates

County population estimates are provided by the Bureau of Business and Economic Research of the University of Montana. These estimates are produced in cooperation with the United States Bureau of the Census.

Definitions

Following are definitions of selected terms as they are used in this publication.

ABORTION - A legal act or operation intended to terminate a pregnancy without live birth, which is reported to the Department.

CRUDE BIRTH RATE - relates the number of live births to the total population. It is computed as follows:

$$\text{Annual crude birth rate} = \frac{\text{Annual number of live births}}{\text{Midyear population}} \times 1{,}000$$

CRUDE DEATH RATE - relates the number of deaths to the total population. It is computed as follows:

$$\text{Annual crude death rate} = \frac{\text{Annual number of deaths}}{\text{Midyear population}} \times 1{,}000$$

FERTILITY RATE - relates total births to an approximation of the population exposed to risk. The denominator is limited to women in the main childbearing ages. It is computed as follows:

$$\text{Annual general fertility rate} = \frac{\text{Annual number of live births}}{\text{Midyear population of women 15 - 44 years of age}} \times 1{,}000$$

FETAL DEATH - the birth of a fetus after 20 weeks of gestation which shows no evidence of life after complete birth (this is, no action of the heart, breathing, or movement of voluntary muscles).

FETAL MORTALITY RATIO - relates fetal deaths to live births. It is computed as follows:

$$\text{Annual fetal mortality ratio} = \frac{\text{Annual number of fetal deaths}}{\text{Annual number of live births}} \times 1{,}000$$

FIVE-YEAR INFANT MORTALITY RATE - relates the number of deaths under one year of age to the number of live births. It is calculated as follows:

$$\text{Five-year infant mortality rate} = \frac{\text{Number of deaths under one year of age over a five-year period}}{\text{Number of live births over the same five-year period}} \times 1{,}000$$

ILLEGITIMACY RATIO - relates the number of out-of-wedlock births to total live births. It is computed as follows:

$$\text{Annual illegitimacy ratio} = \frac{\text{Annual number of illegitimate live births}}{\text{Annual number of all live births}} \times 1{,}000$$

INFANT DEATH - the death of a person under one year of age.

LIVE BIRTH - birth of a child who shows evidence of life after complete birth. Evidence of life includes heart action, breathing, or movement of voluntary muscles.

MATERNAL MORTALITY RATE - measures the risk of death from deliveries and complications of pregnancy, childbirth, and the puerperium. It is computed as follows:

$$\text{Annual maternal mortality rate} = \frac{\text{Annual number of deaths attributed to maternal conditions}}{\text{Annual number of live births}} \times 100{,}000$$

NATURAL INCREASE - is the excess of births over deaths among residents of an area. The rate is shown per 1,000 population in the area.

$$\text{Annual rate of natural increase} = \frac{\text{Annual number of live births minus annual number of deaths}}{\text{Population of area}} \times 1{,}000$$

NEONATAL DEATH - the death of an infant under 28 days of age.

OCCURRENCE - where an event takes place regardless of the usual residence of the person involved.

PREINATAL DEATHS - are those occurring around the time of birth. They are made up of the sum of registered fetal deaths and neonatal deaths.

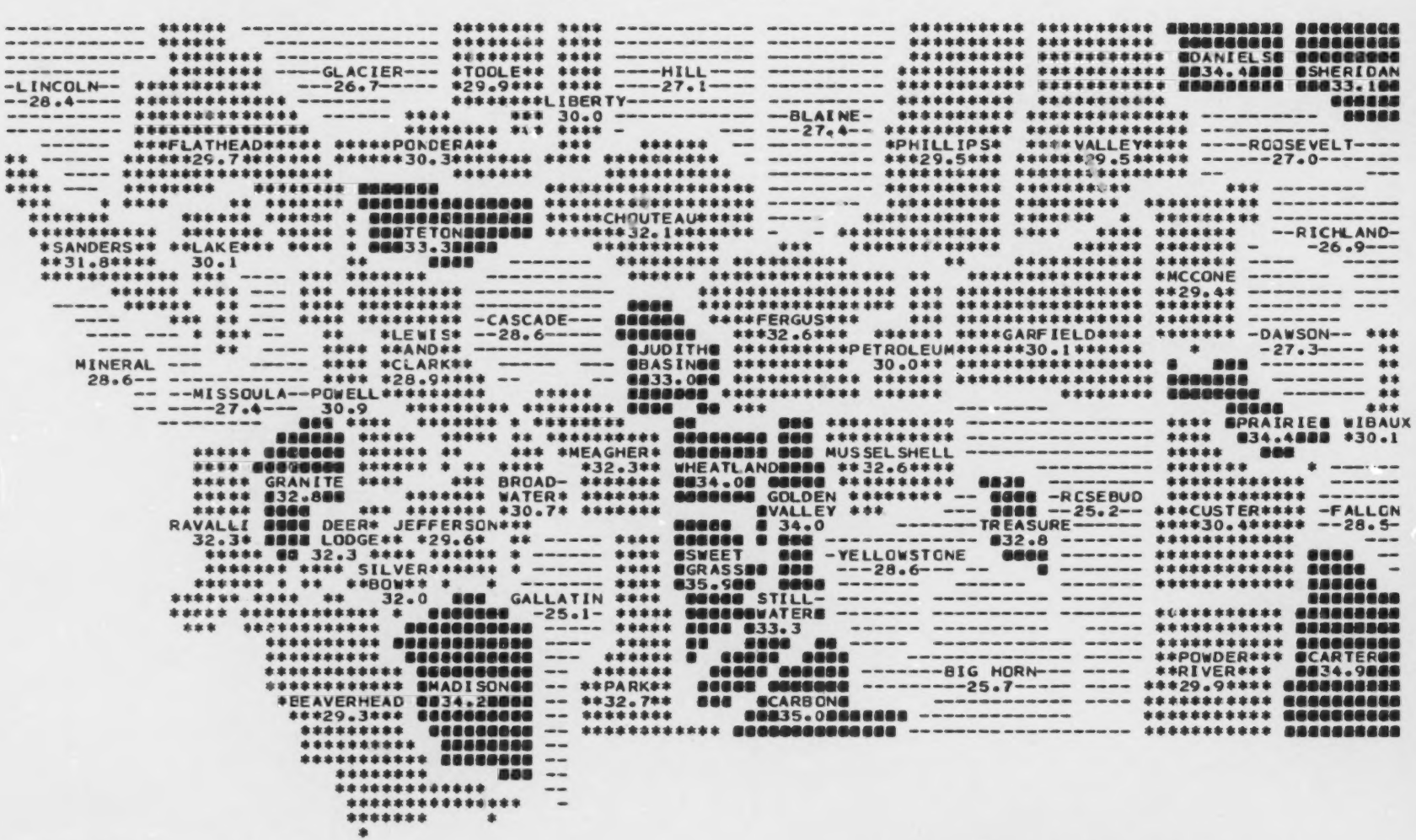
PERINATAL MORTALITY RATE - relates the number of fetal deaths plus neonatal deaths to the number of deliveries (fetal deaths plus live births). It is calculated as follows:

$$\text{Perinatal mortality rate} = \frac{\text{Annual number of fetal deaths plus neonatal deaths}}{\text{Annual number of fetal deaths plus live births}} \times 1{,}000$$

PREMATURE (IMMATURE) INFANT - a live-born infant with a birth weight of five pounds eight ounces (2,500 grams) or less.

RESIDENCE - for deaths, this refers to the usual residence of the decedent. For births and fetal deaths, it refers to the usual residence of the mother.

MEDIAN AGE: MONTANA COUNTIES, 1980



SOURCE: U. S. BUREAU OF THE CENSUS.

----	25.1 - 28.6	LOW QUARTILE
****	28.9 - 30.1	MEDIUM LOW QUARTILE
****	30.3 - 32.7	MEDIUM HIGH QUARTILE
####	32.8 - 35.9	HIGH QUARTILE

MEAN VALUE: 30.6
MEDIAN VALUE: 30.1
STATE VALUE: 29.0

GENERAL

HISTORICAL

POPULATION

RESIDENCE

OCCURRENCE

RACE

MONTANA
LINCOLN
LIBBY
5
FLATHEAD
KALISPELL
GLACIER
CUT BANK
TOOLE
SHELBY
LIBERTY
CHESTER
2
HILL
HAVRE
CHINOOK
BLAINE
PHILLIPS
MALTA
VALLEY
GLASGOW
SCOBEY
DANIELS
PLENTYWOOD
SHERIDAN
ROOSEVELT
WOLF POINT
PONDERA
CONRAD
CHOUTEAU
FORT BENTON
TETON
CHOTEAU
SANDERS
LAKE
POLSON
THOMPSON FALLS
RICHLAND
SIDNEY
MC CONE
CIRCLE
DAWSON
GLENDIVE
WIBAUX
GARFIELD
JORDAN
1
PRAIRIE
TERRY
WIBAUX
LEWIS AND CLARK
GREAT FALLS
CASCADE
3
FERGUS
LEWISTOWN
STANFORD
JUDITH BASIN
PETROLEUM
WINNETT
SUPERIOR
MINERAL
MISSOULA
MISSOULA
POWELL
4
HELENA
GRANITE
PHILIPSBURG
DEER LODGE
MEAGHER
WHITE SULPHUR SPRINGS
HARLOWTON
WHEATLAND
GOLDEN VALLEY
RYEGATE
MUSSELSHELL
ROUNDUP
MILES CITY
CUSTER
BAKER
FALLON
HAMILTON
BOULDER
TOWNSEND
BROADWATER
HYSHAM
FORSYTH
TREASURE
ROSEBUD
ANACONDA
RAVALLI
DEER LODGE
BUTTE
SILVER BOW
JEFFERSON
GALLATIN
BOZEMAN
SWEET GRASS
BIG TIMBER
YELLOWSTONE
BILLINGS
STILLWATER
COLUMBUS
HARDIN
EKALAKA
CARTER
POWDER RIVER
BROADUS
BEAVERHEAD
DILLON
MADISON
VIRGINIA CITY
LIVINGSTON
PARK
CARBON
RED LODGE
BIG HORN
Health Planning Districts

TABLE 1

DEATHS, LIVE BIRTHS, FETAL, INFANT, AND MATERNAL DEATHS

MONTANA, 1910-1981

DEATHS EXCLUSIVE OF FETAL DEATHS. DATA FOR 1910-1945 ARE BY PLACE OF OCCURRENCE. DATA SINCE 1946 ARE BY PLACE OF RESIDENCE.

YEAR	ESTIMATED MIDYEAR POPULATION	DEATHS		LIVE BIRTHS		FETAL DEATHS		INFANT DEATHS		MATERNAL DEATHS	
		NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATIO**	NUMBER	RATE**	NUMBER	RATE***
1910	376,053	3,999	10.6	6,124	16.3	---	---	714	116.6	62	1012.4
1915	468,067	5,072	10.8	11,132	23.8	---	---	816	73.3	91	817.5
1920	548,339	5,289	9.6	11,862	21.6	---	---	862	72.7	104	876.7
1925	542,834	5,188	9.6	10,302	19.0	343	33.3	726	70.5	83	805.7
1930	537,606	5,435	10.1	10,004	18.6	286	28.6	569	56.9	67	669.7
1931	540,337	5,280	9.8	9,638	17.8	309	32.1	583	60.5	70	726.3
1932	542,522	5,294	9.8	9,091	16.8	254	27.9	467	51.4	60	660.0
1933	544,707	5,212	9.6	8,953	16.4	235	26.2	461	51.5	51	569.6
1934	546,892	5,617	10.3	9,949	18.2	244	24.5	532	53.5	57	572.9
1935	549,077	6,291	11.5	10,029	18.3	232	23.1	602	60.0	52	518.5
1936	551,262	6,255	11.3	10,400	18.9	227	21.8	593	57.0	57	548.1
1937	553,447	6,128	11.1	10,248	18.5	232	22.6	518	50.5	38	370.8
1938	555,632	5,684	10.2	10,673	19.2	250	23.4	486	45.5	35	327.9
1939	557,817	5,901	10.6	10,897	19.5	212	19.5	534	49.0	35	321.2
1940	559,456	5,722	10.2	11,468	20.5	216	18.8	527	46.0	39	340.1
1941	530,000	5,673	10.7	11,545	21.8	227	19.7	438	37.9	21	181.9
1942	500,000	5,516	11.0	11,735	23.5	207	17.6	395	33.7	26	221.6
1943	470,033	5,601	11.9	11,407	24.3	212	18.6	442	38.7	20	175.3
1944	487,300	5,662	11.6	10,943	22.5	184	16.8	395	36.1	16	146.2
1945	504,600	5,414	10.7	10,601	21.0	184	17.4	363	34.2	17	160.4
1946	521,900	5,595	10.7	12,858	24.6	224	17.4	448	34.8	18	140.0
1947	539,200	5,760	10.7	15,086	28.0	238	15.8	484	32.1	16	106.1
1948	556,500	5,884	10.6	15,035	27.0	236	15.7	461	30.7	14	93.1
1949	573,800	5,878	10.2	15,366	26.8	231	15.0	457	29.7	14	91.1
1950	591,024	5,817	9.8	15,592	26.4	233	14.9	441	28.3	20	128.3
1951	596,000	5,964	10.0	15,929	26.7	248	15.6	425	26.7	10	62.8
1952	602,000	5,974	9.9	16,479	27.4	253	15.4	448	27.2	8	48.5
1953	616,000	6,125	9.9	16,596	26.9	232	14.0	480	28.9	3	18.1
1954	624,000	6,030	9.7	17,276	27.7	247	14.3	398	23.0	5	28.9
1955	636,000	6,115	9.6	17,454	27.4	221	12.7	433	24.8	5	28.6
1956	656,000	6,450	9.8	17,703	27.0	239	13.5	495	28.0	2	11.3
1957	667,000	6,486	9.7	18,219	27.3	224	12.3	462	25.4	5	27.4
1958	666,000	6,265	9.4	17,275	25.9	233	13.5	444	25.7	3	17.4
1959	669,000	6,570	9.8	17,646	26.4	223	12.6	431	24.4	3	17.0
1960	674,767	6,525	9.7	17,448	25.9	190	10.9	435	24.9	5	28.7
1961	682,000	6,338	9.3	17,368	25.5	194	11.2	441	25.4	2	11.5
1962	709,000	6,418	9.1	16,818	24.7	210	12.5	436	25.9	7	41.6
1963	707,000	6,609	9.3	15,934	22.5	194	12.2	383	24.0	2	12.6
1964	705,000	6,851	9.7	15,094	21.4	200	13.3	403	26.7	7	46.4
1965	706,000	6,578	9.3	13,641	19.3	177	13.0	338	24.8	2	14.7
1966	702,000	6,864	9.8	12,623	18.0	140	11.1	286	22.7	3	23.8
1967	701,000	6,549	9.3	12,087	17.2	141	11.7	290	24.0	3	24.8
1968	693,000	6,534	9.4	11,992	17.3	146	12.2	233	19.4	1	8.3
1969	694,000	6,694	9.6	11,762	16.9	132	11.2	246	20.9	1	8.5
1970	694,409	6,597	9.5	12,622	18.2	140	11.1	272	21.5	3	23.8
1971	710,000	6,860	9.7	12,347	17.4	127	10.3	267	21.6	-	0.0
1972	719,000	6,896	9.6	11,444	15.9	129	11.3	225	19.7	4	35.0
1973	721,000	6,870	9.5	11,392	15.8	105	9.2	222	19.5	-	0.0
1974	735,000	6,552	8.9	12,273	16.7	125	10.2	202	16.5	1	8.1
1975	748,000	6,539	8.7	12,070	16.1	112	9.3	187	15.5	3	24.9
1976	753,000	6,733	8.9	12,605	16.7	104	8.3	209	16.6	-	0.0
1977	761,000	6,397	8.4	13,304	17.5	119	8.9	183	13.8	1	7.5
1978	785,000	6,484	8.3	13,545	17.3	110	8.1	155	11.4	3	22.1
1979	786,000	6,471	8.2	14,057	17.9	116	8.3	151	10.7	4	28.5
1980	786,690	6,664	8.5	14,208	18.1	104	7.3	176	12.4	2	14.1
1981	793,000	6,709	8.5	14,309	18.0	85	5.9	153	10.7	-	0.0

* PER 1,000 ESTIMATED POPULATION.
** PER 1,000 LIVE BIRTHS.
*** PER 100,000 LIVE BIRTHS.
U. S. CENSUS ENUMERATIONS ARE USED ON YEARS ENDING IN ZERO.

TABLE 2

POPULATIONS

MONTANA COUNTIES, 1980 AND 1981

COUNTY	1981 ESTIMATED POPULATION	1980 CENSUS ENUMERATION	COUNTY	1981 ESTIMATED POPULATION	1980 CENSUS ENUMERATION
MONTANA, TOTAL	793,000	786,690			
BEAVERHEAD	8,200	8,186	MADISON	5,800	5,448
BIG HORN	11,400	11,096	MEAGHER	2,200	2,154
BLAINE	7,000	6,999	MINERAL	3,400	3,675
BROADWATER	3,200	3,267	MISSOULA	76,900	76,016
CARBON	8,300	8,099	MUSSELSHELL	4,500	4,428
CARTER	1,700	1,799	PARK	13,600	12,869
CASCADE	79,800	80,696	PETROLEUM	700	655
CHOUTEAU	6,000	6,092	PHILLIPS	5,400	5,367
CUSTER	13,400	13,109	PONDERA	6,700	6,731
DANIELS	2,700	2,835	POWDER RIVER	2,400	2,520
DAWSON	12,300	11,805	POWELL	6,800	6,958
DEER LODGE	11,900	12,518	PRAIRIE	1,900	1,836
FALLON	3,600	3,763	RAVALLI	23,400	22,493
FERGUS	13,000	13,076	RICHLAND	13,500	12,243
FLATHEAD	51,900	51,966	ROOSEVELT	10,700	10,467
GALLATIN	43,300	42,865	ROSEBUD	10,600	9,899
GARFIELD	1,600	1,656	SANDERS	8,600	8,675
GLACIER	10,900	10,628	SHERIDAN	5,600	5,414
GOLDEN VALLEY	1,100	1,026	SILVER BOW	36,900	38,092
GRANITE	2,800	2,700	STILLWATER	5,500	5,598
HILL	18,000	17,985	SWEET GRASS	3,400	3,216
JEFFERSON	7,200	7,029	TETON	6,600	6,491
JUDITH BASIN	2,800	2,646	TOOLE	5,400	5,559
LAKE	19,300	19,056	TREASURE	1,000	981
LEWIS & CLARK	44,000	43,039	VALLEY	9,800	10,250
LIBERTY	2,400	2,329	WHEATLAND	2,000	2,359
LINCOLN	17,600	17,752	WIBAUX	1,600	1,476
MCCONE	2,600	2,702	YELLOWSTONE	109,400	108,035
			YELLOWSTONE PRK	300	66

TABLE 3

DEATHS, LIVE BIRTHS, FETAL, INFANT AND MATERNAL DEATHS

MONTANA COUNTIES, 1981
BY PLACE OF OCCURRENCE AND BY PLACE OF RESIDENCE. DEATHS EXCLUSIVE OF FETAL DEATHS

COUNTY	DEATHS		LIVE BIRTHS		FETAL DEATHS		INFANT DEATHS		MATERNAL DEATHS	
	OCC.	RES.	OCC.	RES.	OCC.	RES.	OCC.	RES.	OCC.	RES.
MONTANA, TOTAL	6,707	6,709	13,999	14,309	86	85	133	153	1	-
BEAVERHEAD	86	66	72	137	-	-	2	3	-	-
BIG HORN	82	120	288	293	2	2	1	3	-	-
BLAINE	35	71	41	152	-	-	1	1	-	-
BROADWATER	21	25	20	45	1	-	-	-	-	-
CARBON	91	102	52	117	-	-	1	2	-	-
CARTER	12	17	3	28	-	-	-	-	-	-
CASCADE	714	625	1,718	1,513	16	12	28	20	-	-
CHOUTEAU	40	67	18	122	-	-	-	1	-	-
CUSTER	208	147	417	208	-	-	1	1	-	-
DANIELS	29	33	33	43	-	-	1	1	-	-
DAWSON	62	80	271	256	1	1	1	3	-	-
DEER LODGE	136	160	68	119	2	2	-	-	-	-
FALLON	25	41	47	80	-	-	-	3	-	-
FERGUS	149	152	264	232	2	2	1	3	-	-
FLATHEAD	391	394	1,072	913	10	6	11	11	-	-
GALLATIN	246	245	811	688	9	8	2	4	-	-
GARFIELD	7	9	7	34	-	-	-	-	-	-
GLACIER	82	99	216	271	1	5	2	5	-	-
GOLDEN VALLEY	6	7	-	17	-	-	-	-	-	-
GRANITE	25	41	3	54	-	1	-	1	-	-
HILL	157	144	485	352	2	4	2	3	-	-
JEFFERSON	41	59	2	131	-	-	1	3	-	-
JUDITH BASIN	8	23	-	26	-	-	-	-	-	-
LAKE	158	179	289	363	-	1	1	1	-	-
LEWIS & CLARK	356	335	876	779	2	3	3	4	-	-
LIBERTY	27	20	70	53	-	-	-	1	-	-
LINCOLN	93	114	220	312	-	-	-	3	-	-
MCCONE	28	22	25	63	-	-	1	1	-	-
MADISON	65	75	75	101	-	-	1	1	-	-
MEAGHER	24	23	17	40	1	2	-	-	-	-
MINERAL	18	24	47	72	-	-	-	-	-	-
MISSOULA	614	486	1,665	1,358	9	7	16	12	-	-
MUSSELSHELL	36	53	39	82	1	1	-	1	-	-
PARK	116	125	159	219	1	2	2	2	-	-
PETROLEUM	4	5	-	11	-	-	-	-	-	-
PHILLIPS	59	58	67	104	2	-	2	2	-	-
PONDERA	50	73	88	118	-	1	-	1	-	-
POWDER RIVER	11	18	-	51	-	-	-	-	-	-
POWELL	77	79	102	117	-	-	1	1	-	-
PRAIRIE	13	18	10	22	-	-	-	-	-	-
RAVALLI	168	203	242	365	2	3	2	3	-	-
RICHLAND	94	101	267	366	-	-	2	5	-	-
ROOSEVELT	113	127	250	286	1	2	2	2	-	-
ROSEBUD	50	73	6	290	-	1	4	3	-	-
SANDERS	67	83	65	146	-	-	1	3	-	-
SHERIDAN	47	50	104	101	-	-	1	3	-	-
SILVER BOW	471	466	687	517	8	7	12	12	-	-
STILLWATER	66	73	96	83	-	-	1	1	-	-
SWEET GRASS	23	32	24	45	-	-	-	-	-	-
TETON	49	63	94	121	-	1	1	1	-	-
TOOLE	39	50	78	114	1	2	-	-	-	-
TREASURE	2	9	-	15	-	-	-	-	-	-
VALLEY	84	87	177	180	2	2	-	1	-	-
WHEATLAND	25	34	18	38	-	-	-	-	-	-
WIBAUX	5	16	-	29	-	-	-	-	-	-
YELLOWSTONE	1,002	788	2,234	1,917	10	7	25	21	1	-

TABLE 4

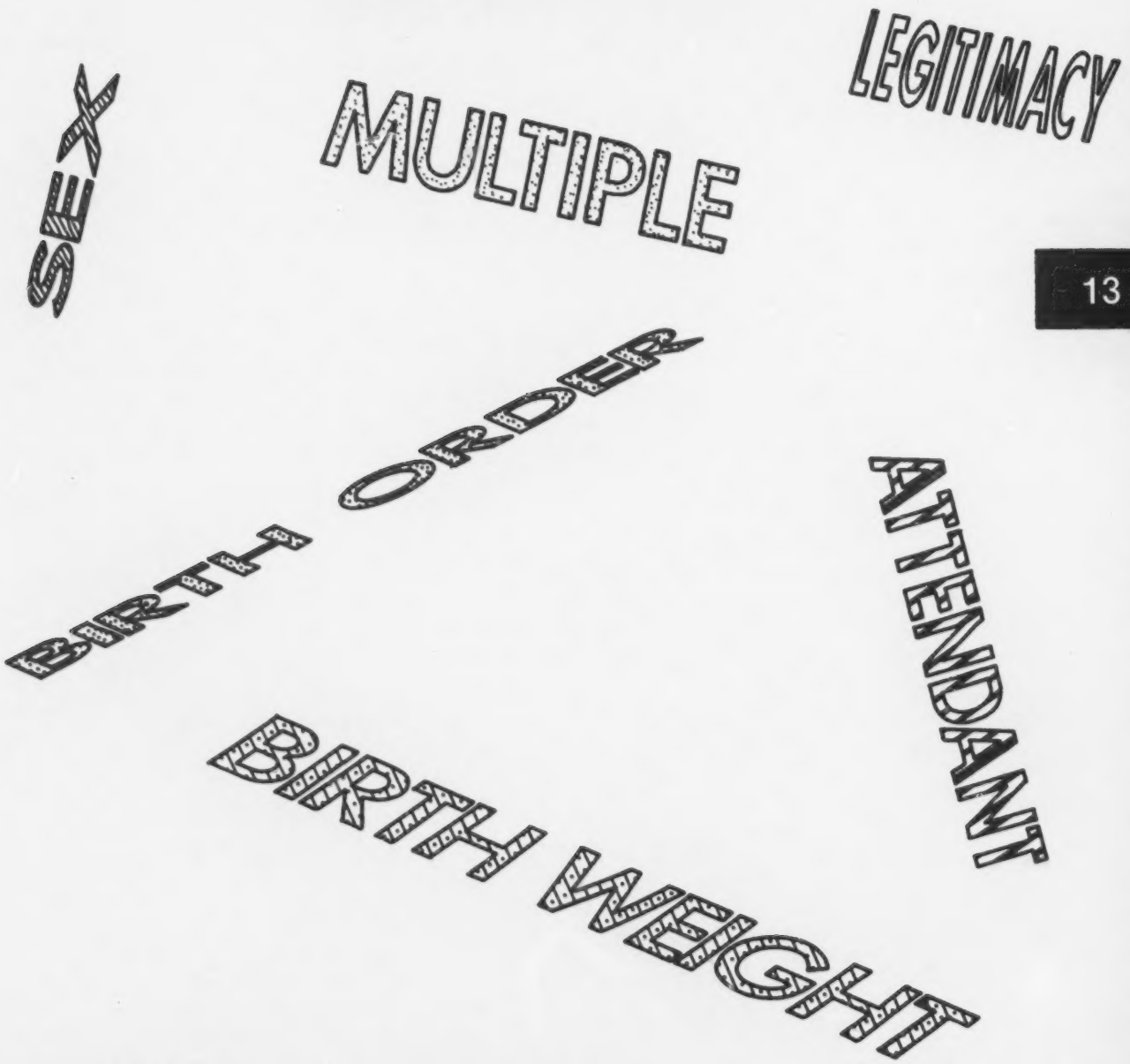
DEATHS, LIVE BIRTHS, AND FETAL DEATHS BY RACE

MONTANA COUNTIES, 1981
BY PLACE OF RESIDENCE

COUNTY	DEATHS				LIVE BIRTHS				FETAL DEATHS				
	TOTAL	WHITE*	INDIAN	OTHER	TOTAL	WHITE*	INDIAN	OTHER	TOTAL	WHITE*	INDIAN	OTHER	UNKNOWN
MONTANA, TOTAL	6,709	6,324	360	25	14,309	12,671	1,407	231	85	72	12	1	-
BEAVERHEAD	86	86	-	-	137	128	8	1	-	-	-	-	-
BIG HORN	120	62	58	-	293	105	186	2	2	1	1	-	-
BLAINE	71	45	26	-	152	69	82	1	-	-	-	-	-
BROADWATER	25	25	-	-	45	45	-	-	-	-	-	-	-
CARBON	102	102	-	-	117	116	-	1	-	-	-	-	-
CARTER	17	17	-	-	28	27	1	-	-	-	-	-	-
CASCADE	625	597	20	8	1,513	1,360	100	53	12	10	1	1	-
CHOUTEAU	67	67	-	-	122	119	1	2	-	-	-	-	-
CUSTER	147	147	-	-	208	197	11	-	-	-	-	-	-
DANIELS	33	33	-	-	43	42	1	-	-	-	-	-	-
DAWSON	80	77	2	1	256	247	7	2	1	1	-	-	-
DEER LODGE	160	160	-	-	119	116	3	-	2	2	-	-	-
FALLON	41	41	-	-	80	78	1	1	-	-	-	-	-
FERGUS	152	149	3	-	232	228	3	1	2	2	-	-	-
FLATHEAD	394	392	2	-	913	881	25	7	6	6	-	-	-
GALLATIN	245	244	-	1	688	666	12	10	8	8	-	-	-
GARFIELD	9	9	-	-	34	34	-	-	-	-	-	-	-
GLACIER	99	51	48	-	271	73	198	-	5	-	5	-	-
GOLDEN VALLEY	7	7	-	-	17	16	1	-	-	-	-	-	-
GRANITE	41	41	-	-	54	54	-	-	1	1	-	-	-
HILL	144	119	25	-	352	258	85	9	4	4	-	-	-
JEFFERSON	59	58	-	1	131	128	3	-	-	-	-	-	-
JUDITH BASIN	23	23	-	-	26	26	-	-	-	-	-	-	-
LAKE	179	143	36	-	363	246	111	6	1	1	-	-	-
LEWIS & CLARK	335	329	4	2	779	746	23	10	3	2	1	-	-
LIBERTY	20	20	-	-	53	52	-	1	-	-	-	-	-
LINCOLN	114	114	-	-	312	307	4	1	-	-	-	-	-
MCCONE	22	22	-	-	63	63	-	-	-	-	-	-	-
MADISON	75	75	-	-	101	97	4	-	-	-	-	-	-
MEAGHER	23	23	-	-	40	40	-	-	2	2	-	-	-
MINERAL	24	24	-	-	72	71	1	-	-	-	-	-	-
MISSOULA	486	477	5	4	1,358	1,254	45	59	7	7	-	-	-
MUSSELSHELL	53	53	-	-	82	82	-	-	1	1	-	-	-
PARK	125	125	-	-	219	214	2	3	2	2	-	-	-
PETROLEUM	5	5	-	-	11	11	-	-	-	-	-	-	-
PHILLIPS	58	57	1	-	104	94	10	-	-	-	-	-	-
PONDERA	73	62	10	1	118	95	20	3	1	-	1	-	-
POWDER RIVER	18	18	-	-	51	50	1	-	-	-	-	-	-
POWELL	79	78	-	1	117	111	3	3	-	-	-	-	-
PRAIRIE	18	17	1	-	22	21	1	-	-	-	-	-	-
RAVALLI	203	203	-	-	365	347	3	15	3	3	-	-	-
RICHLAND	101	100	1	-	366	356	10	-	-	-	-	-	-
ROOSEVELT	127	65	60	2	286	124	160	2	2	-	2	-	-
ROSEBUD	73	51	22	-	290	180	108	2	1	-	1	-	-
SANDERS	83	79	4	-	146	122	23	1	-	-	-	-	-
SHERIDAN	50	50	-	-	101	99	2	-	-	-	-	-	-
SILVER BOW	466	461	5	-	517	498	19	-	7	7	-	-	-
STILLWATER	73	73	-	-	83	82	1	-	-	-	-	-	-
SWEET GRASS	32	32	-	-	45	43	2	-	-	-	-	-	-
TETON	63	62	1	-	121	116	5	-	1	1	-	-	-
TOOLE	50	49	1	-	114	113	1	-	2	2	-	-	-
TREASURE	9	9	-	-	15	14	-	1	-	-	-	-	-
VALLEY	87	78	9	-	180	145	35	-	2	2	-	-	-
WHEATLAND	34	34	-	-	38	37	1	-	-	-	-	-	-
WIBAUX	16	16	-	-	29	29	-	-	-	-	-	-	-
YELLOWSTONE	788	768	16	4	1,917	1,799	84	34	7	7	-	-	-

* WHITE INCLUDES MEXICAN.

BIRTHS



EDUCATION OF MOTHER

BIRTHS

General

Summary figures for births in 1981 show that there were:

13,999 - total number of births occurring in Montana including 121 births within Montana to non-residents;
14,309 - total number of births to Montana residents including:
13,878 - births within the state to Montana residents; and
431 - births outside the state to Montana residents.

The number of resident live births (14,309) during 1981 increased 101 from the 14,208 births of 1980. This marks six consecutive years of annual increases in the number of resident births.

Fifty-percent (215) of the out-of-state births occurred in North Dakota. Sixty-three births occurred in Wyoming and fifty-two in Idaho. The remaining 101 events were distributed among 16 other states and the provinces of Canada.

Birth Rate

Beginning in 1975 at 16.1, the crude birth rate figure for each year has charted the annual increase in resident births. In 1978 (17.3), a one-year downward trend was evident, and in 1981 (18.0) another slight downward trend was noted. In both cases, an increase in the population base was responsible for the downturn in the crude birth rate. The 1981 rate (18.0) was 13.2 percent greater than the United States provisional rate of 15.9 live births per 1,000 population.

Fertility Rate and Age-Specific Birth Rate

The fertility rate and age-specific birth rate are a more precise measure of reproduction than the crude birth rate, but can be accurately determined only during census years. The fertility rate for 1980 was 78.1 births per 1,000 female Montana residents aged 15-44. Assuming the

ratio of females to the female population in this age group is the same as in 1980, the estimated fertility rate for 1981 was 78.0 births.

The following table shows age-specific birth rates for Montana in 1980 and 1981, and for the United States in 1980.

AGE SPECIFIC BIRTH RATES FOR WOMEN 15-44 YEARS OF AGE:
Montana, 1980-81 and United States, 1980

Area and Year	Age of Mother 15-19	20-24	25-29	30-34	35-39	40-44
Montana						
1981	47.8	135.6	133.3	74.1	18.3	3.7
1980	48.3	142.2	130.6	68.3	18.9	4.3
United States						
1980	53.0	115.1	112.9	61.9	19.8	3.9

Median Age

The median age for women bearing children continued to rise. For all resident births during 1981, the mother's median age of 25.35 was 0.25 year greater than in 1980. In 1972, the median age was 23.95, or 1.4 years younger than in 1981.

Multiple Births

There were 256 live births in multiple deliveries during 1981. All of these were live births in twin deliveries. The multiple birth ratio was 17.9 live births in multiple deliveries per 1,000 total live births, an increase from the 1980 ratio of 17.2. In the past ten years, the multiple birth ratio has ranged from a high of 20.5 in 1977 to 17.2 in 1980.

Illegitimacy

Out-of-wedlock births have been increasing since 1960, and the 1981 figure continued this upward trend. From 1980 to 1981, the number of these births increased from 1,776 to 1,903, and the illegitimacy ratio climbed from 125.0 to 133.0 out-of-wedlock births per 1,000 live births.

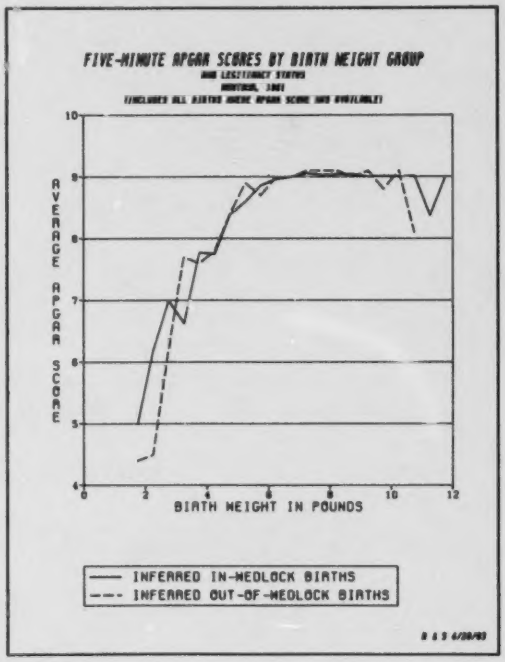
The following table shows the changes that have occurred during the past five years in the percentage distribution of illegitimate births by age of the mother.

NUMBER AND PERCENT OF ILLEGITIMATE BIRTHS BY AGE OF MOTHER:
Montana, 1977-1981

Age	1981 Number	1981 Percent	1980 Number	1980 Percent	1979 Number	1979 Percent	1978 Number	1978 Percent	1977 Number	1977 Percent
Total Out-of-Wedlock Births	1,903	100.0	1,776	100.0	1,596	100.0	1,629	100.0	1,469	100.0
<20	809	42.5	748	42.1	745	46.7	813	49.9	798	54.3
20-24	717	37.7	676	38.1	551	34.5	526	32.3	452	30.8
25-29	240	12.6	247	13.9	202	12.7	188	11.5	150	10.2
30-34	105	5.5	75	4.2	74	4.6	65	4.0	48	3.3
35+	31	1.6	30	1.7	24	1.5	37	2.3	21	1.4
Not Stated	1	0.1	-	-	-	-	-	-	-	-

Apgar Score

The Apgar Score is a method of newborn evaluation which was devised by Dr. Virginia Apgar in 1952. The Apgar Score is based on a scale of 0 to 10, and clinically scores five variables, each of which is assigned a numerical value ranging from 0 to 2. The five variables are: heart rate, muscle tone, respiration effort, reflex irritability (response to skin stimulation to feet), and color. The sum of the values for the five variables is then recorded at one minute and five minutes after the birth of an infant. The following table illustrates the method of APGAR scoring.


FIVE-MINUTE APGAR SCORES BY BIRTH WEIGHT GROUP
AVERAGE APGAR SCORE
BIRTH WEIGHT IN POUNDS
INFERRED IN-WEDLOCK BIRTHS
INFERRED OUT-OF-WEDLOCK BIRTHS

METHOD OF APGAR SCORING

Sign	Score 0	1	2
Heart rate	Absent	Slow (less than 100)	100 or more
Respiratory effort	Absent	Weak cry; hypoventilation	Good; strong cry
Muscle tone	Limp	Some flexion of extremities	Well flexed
Reflex irritability	No response	Some motion	Cry
Color	Blue; pale	Body pink; extremities blue	Completely pink

SOURCE: Apgar, V., et al.: Evaluation of the newborn infant - second report. JAMA. 168(15): 1985-1988, Dec. 13, 1958.

TABLE 5

SUMMARY OF LIVE BIRTHS

MONTANA, 1981 AND 1980

BY PLACE OF RESIDENCE. EACH PERCENT HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST ONE-TENTH OF ONE PERCENT. HENCE, THE SUMS OF PARTS MAY DIFFER SLIGHTLY FROM THE TOTAL SHOWN.

ITEM	1981		1980	
	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL	14,309	100.0	14,208	100.0
SEX				
MALE	7,351	51.4	7,272	51.2
FEMALE	6,958	48.6	6,936	48.8
LEGITIMACY				
IN WEDLOCK	12,406	86.7	12,432	87.5
OUT OF WEDLOCK	1,903	13.3	1,776	12.5
MULTIPLE BIRTHS				
SINGLE	14,053	98.2	13,964	98.3
TWINS	256	1.8	229	1.6
TRIPLETS		0.0	15	0.1
LIVING CHILDREN				
FIRST CHILD	5,939	41.5	6,054	42.6
SECOND CHILD	4,849	33.9	4,761	33.5
THIRD CHILD	2,191	15.3	2,092	14.7
FOURTH CHILD	811	5.7	780	5.5
FIFTH CHILD	272	1.9	282	2.0
SIXTH CHILD	124	0.9	116	0.8
SEVENTH CHILD	58	0.4	62	0.4
EIGHTH CHILD	29	0.2	29	0.2
NINE OR MORE	35	0.2	31	0.2
NOT STATED	1	0.0	1	0.0

TABLE 6

NUMBER AND PERCENTAGE DISTRIBUTION OF LIVE BIRTHS BY ATTENDANT

MONTANA COUNTIES, 1981

BY PLACE OF OCCURRENCE

COUNTY	NUMBER ATTENDED BY-				PERCENTAGE ATTENDED BY-		
	TOTAL	BOA* AND IN HOSPITAL	PHYSICIAN NOT IN HOSPITAL	OTHER NOT IN HOSPITAL	BOA* AND IN HOSPITAL	PHYSICIAN NOT IN HOSPITAL	OTHER NOT IN HOSPITAL
MONTANA, TOTAL	13,999	13,750	50	199	98.2	0.4	1.4
BEAVERHEAD	72	72	-	-	100.0	0.0	0.0
BIG HORN	288	287	-	1	99.7	0.0	0.3
BLAINE	41	41	-	-	100.0	0.0	0.0
BROADWATER	20	20	-	-	100.0	0.0	0.0
CARBON	52	47	1	4	90.4	1.9	7.7
CARTER	3	3	-	-	100.0	0.0	0.0
CASCADE	1,718	1,709	1	8	99.5	0.1	0.5
CHOUTEAU	18	17	-	1	94.4	0.0	5.6
CUSTER	417	417	-	-	100.0	0.0	0.0
DANIELS	33	33	-	-	100.0	0.0	0.0
DAWSON	271	266	-	5	98.2	0.0	1.8
DEER LODGE	68	68	-	-	100.0	0.0	0.0
FALLON	47	47	-	-	100.0	0.0	0.0
FERGUS	264	264	-	-	100.0	0.0	0.0
FLATHEAD	1,072	1,041	21	10	97.1	2.0	0.9
GALLATIN	811	740	13	58	91.2	1.6	7.2
GARFIELD	7	6	-	1	85.7	0.0	14.3
GLACIER	216	216	-	-	100.0	0.0	0.0
GOLDEN VALLEY	-	-	-	-	0.0	0.0	0.0
GRANITE	3	2	-	1	66.7	0.0	33.3
HILL	485	482	-	3	99.4	0.0	0.6
JEFFERSON	2	-	-	2	0.0	0.0	100.0
JUDITH BASIN	-	-	-	-	0.0	0.0	0.0
LAKE	289	287	1	1	99.3	0.3	0.3
LEWIS & CLARK	876	870	-	6	99.3	0.0	0.7
LIBERTY	70	68	-	2	97.1	0.0	2.9
LINCOLN	220	200	3	17	90.9	1.4	7.7
MCCONE	25	25	-	-	100.0	0.0	0.0
MADISON	75	75	-	-	100.0	0.0	0.0
MEAGHER	17	17	-	-	100.0	0.0	0.0
MINERAL	47	46	-	1	97.9	0.0	2.1
MISSOULA	1,665	1,641	1	23	98.6	0.1	1.4
MUSSELSHELL	39	36	-	3	92.3	0.0	7.7
PARK	159	153	2	4	96.2	1.3	2.5
PETROLEUM	-	-	-	-	0.0	0.0	0.0
PHILLIPS	67	67	-	-	100.0	0.0	0.0
PONDERA	88	88	-	-	100.0	0.0	0.0
POWDER RIVER	-	-	-	-	0.0	0.0	0.0
POWELL	102	99	-	3	97.1	0.0	2.9
PRAIRIE	10	10	-	-	100.0	0.0	0.0
RAVALLI	242	227	-	15	93.8	0.0	6.2
RICHLAND	267	264	-	3	98.9	0.0	1.1
ROOSEVELT	250	250	-	-	100.0	0.0	0.0
ROSEBUD	6	-	3	3	0.0	50.0	50.0
SANDERS	65	62	-	3	95.4	0.0	4.6
SHERIDAN	104	104	-	-	100.0	0.0	0.0
SILVER BOW	687	687	-	-	100.0	0.0	0.0
STILLWATER	96	96	-	-	100.0	0.0	0.0
SWEET GRASS	24	24	-	-	100.0	0.0	0.0
TETON	94	89	1	4	94.7	1.1	4.3
TOOLE	78	78	-	-	100.0	0.0	0.0
TREASURE	-	-	-	-	0.0	0.0	0.0
VALLEY	177	177	-	-	100.0	0.0	0.0
WHEATLAND	18	18	-	-	100.0	0.0	0.0
WIBAUX	-	-	-	-	0.0	0.0	0.0
YELLOWSTONE	2,234	2,214	3	17	99.1	0.1	0.8

* BORN ON ARRIVAL

TABLE 7

LIVE BIRTHS BY BIRTH WEIGHT GROUP
MONTANA COUNTIES, 1981

INFANTS BORN TO MOTHERS WHO WERE RESIDENTS
OF MONTANA AND BIRTH WEIGHT WAS GIVEN

	PREMATURE 5 LBS. 8 OZ. AND UNDER		MATURE OVER 5 LBS. 8 OZ.	
COUNTY	NUMBER	PERCENT	NUMBER	PERCENT
MONTANA, TOTAL	790	5.5	13,505	94.5
BEAVERHEAD	3	2.2	134	97.8
BIG HORN	10	3.4	283	96.6
BLAINE	7	4.6	145	95.4
BROADWATER	3	6.7	42	93.3
CARBON	6	5.1	111	94.9
CARTER	2	7.1	26	92.9
CASCADE	105	6.9	1,408	93.1
CHOUTEAU	6	4.9	116	95.1
CUSTER	9	4.3	199	95.7
DANIELS	2	4.7	41	95.3
DAWSON	14	5.5	240	94.5
DEER LODGE	9	7.6	110	92.4
FALLON	4	5.0	76	95.0
FERGUS	8	3.4	224	96.6
FLATHEAD	46	5.0	867	95.0
GALLATIN	29	4.2	658	95.8
GARFIELD	2	5.9	32	94.1
GLACIER	13	4.8	258	95.2
GOLDEN VALLEY	2	11.8	15	88.2
GRANITE	1	1.9	53	98.1
HILL	16	4.5	336	95.5
JEFFERSON	10	7.6	121	92.4
JUDITH BASIN	3	11.5	23	88.5
LAKE	21	5.8	341	94.2
LEWIS & CLARK	45	5.8	734	94.2
LIBERTY	1	1.9	51	98.1
LINCOLN	10	3.2	302	96.8
MCCONE	1	1.6	62	98.4
MADISON	1	1.0	100	99.0
MEAGHER	3	7.5	37	92.5
MINERAL	4	5.6	68	94.4
MISSOULA	74	5.5	1,283	94.5
MUSSELSHELL	3	3.7	78	96.3
PARK	12	5.5	206	94.5
PETROLEUM	-	0.0	11	100.0
PHILLIPS	6	5.8	98	94.2
PONDERA	8	6.8	110	93.2
POWDER RIVER	4	7.8	47	92.2
POWELL	10	8.5	107	91.5
PRAIRIE	2	9.1	20	90.9
RAVALLI	17	4.7	348	95.3
RICHLAND	29	7.9	337	92.1
ROOSEVELT	16	5.6	270	94.4
ROSEBUD	20	6.9	270	93.1
SANDERS	11	7.5	135	92.5
SHERIDAN	3	3.0	98	97.0
SILVER BOW	35	6.8	482	93.2
STILLWATER	2	2.4	80	97.6
SWEET GRASS	3	6.7	42	93.3
TETON	7	5.8	114	94.2
TOOLE	8	7.0	106	93.0
TREASURE	-	0.0	15	100.0
VALLEY	10	5.6	170	94.4
WHEATLAND	2	5.3	36	94.7
WIBAUX	2	6.9	27	93.1
YELLOWSTONE	110	5.8	1,802	94.2

TABLE 8

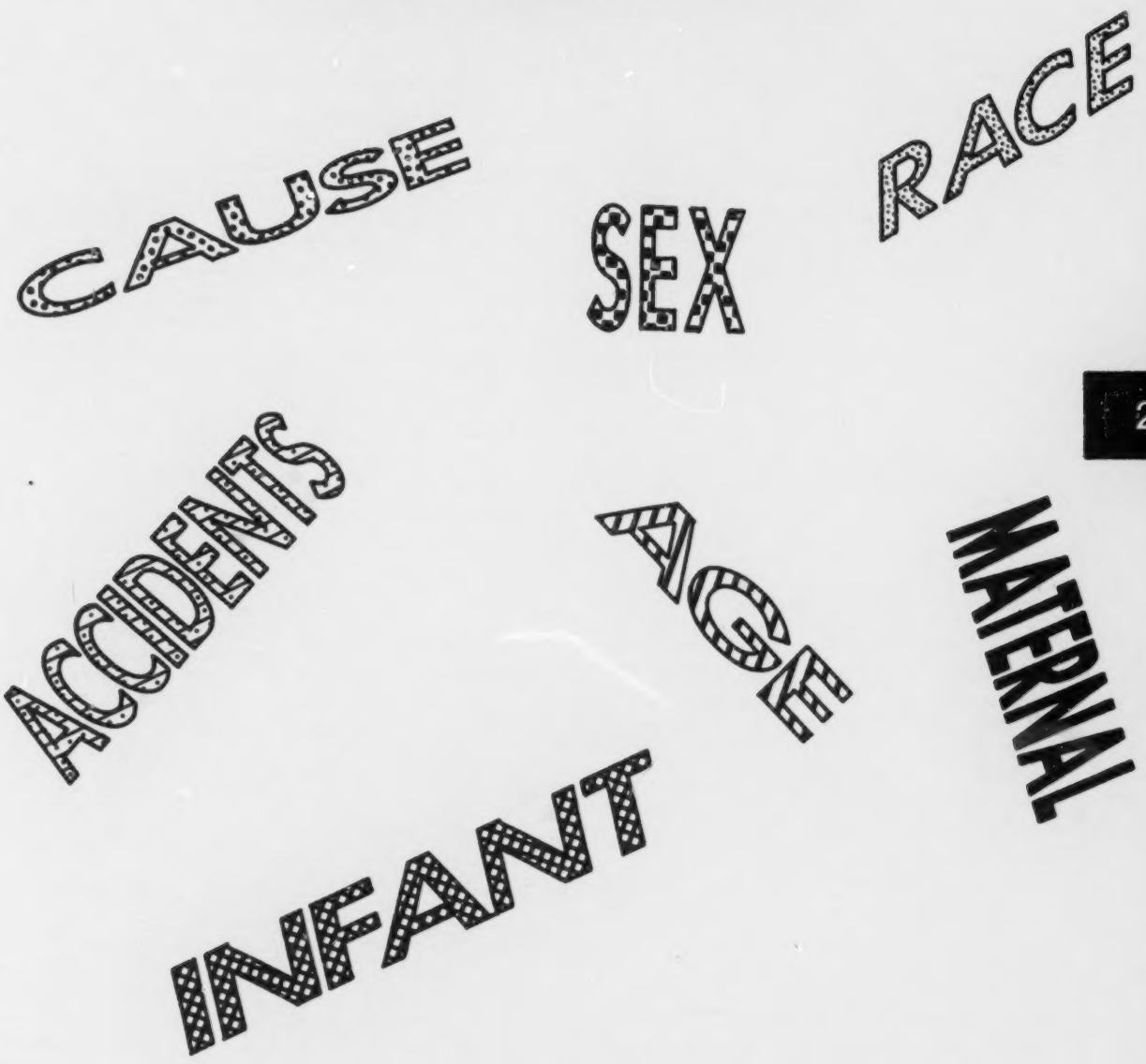
NUMBER AND PERCENT OF LIVE BORN INFANTS BY YEARS OF EDUCATION OF MOTHER AND NUMBER OF CHILDREN BORN ALIVE

MONTANA, 1981

MONTANA RESIDENTS DELIVERING IN MONTANA

EDUCATION OF MOTHER IN YEARS	NUMBER OF LIVE BORN CHILDREN											
	TOTAL	1	2	3	4	5	6	7	8	9	10+	NOT STATED
TOTAL												
NUMBER	13,878	5,683	4,638	2,182	817	301	119	69	27	17	25	-
PERCENT	100.0	40.9	33.4	15.7	5.9	2.2	0.9	0.5	0.2	0.1	0.2	0.0
UNDER 8 YEARS												
NUMBER	81	20	22	11	8	7	4	4	-	2	3	-
PERCENT	100.0	24.7	27.2	13.6	9.9	8.6	4.9	4.9	0.0	2.5	3.7	0.0
8 YEARS												
NUMBER	245	83	61	50	25	7	6	7	2	-	4	-
PERCENT	100.0	33.9	24.9	20.4	10.2	2.9	2.4	2.9	0.8	0.0	1.6	0.0
9 YEARS												
NUMBER	400	183	116	51	29	9	5	2	2	1	2	-
PERCENT	100.0	45.8	29.0	12.8	7.2	2.2	1.2	0.5	0.5	0.2	0.5	0.0
10 YEARS												
NUMBER	654	281	197	108	41	17	7	3	-	-	-	-
PERCENT	100.0	43.0	30.1	16.5	6.3	2.6	1.1	0.5	0.0	0.0	0.0	0.0
11 YEARS												
NUMBER	792	379	225	103	48	21	7	7	-	1	1	-
PERCENT	100.0	47.9	28.4	13.0	6.1	2.7	0.9	0.9	0.0	0.1	0.1	0.0
12 YEARS												
NUMBER	6,011	2,438	2,033	969	347	125	48	21	13	6	11	-
PERCENT	100.0	40.6	33.8	16.1	5.8	2.1	0.8	0.3	0.2	0.1	0.2	0.0
13 YEARS												
NUMBER	1,579	597	564	262	98	28	12	10	5	2	1	-
PERCENT	100.0	37.8	35.7	16.6	6.2	1.8	0.8	0.6	0.3	0.1	0.1	0.0
14 YEARS												
NUMBER	1,187	462	426	176	72	30	9	6	2	2	2	-
PERCENT	100.0	38.9	35.9	14.8	6.1	2.5	0.8	0.5	0.2	0.2	0.2	0.0
15 YEARS												
NUMBER	538	216	171	79	42	15	11	2	1	1	-	-
PERCENT	100.0	40.1	31.8	14.7	7.8	2.8	2.0	0.4	0.2	0.2	0.0	0.0
16 YEARS												
NUMBER	1,730	734	593	282	79	30	7	3	1	-	1	-
PERCENT	100.0	42.4	34.3	16.3	4.6	1.7	0.4	0.2	0.1	0.0	0.1	0.0
17+ YEARS												
NUMBER	615	276	222	83	22	9	1	2	-	-	-	-
PERCENT	100.0	44.9	36.1	13.5	3.6	1.5	0.2	0.3	0.0	0.0	0.0	0.0
NOT STATED												
NUMBER	46	14	8	8	6	3	2	2	1	2	-	-
PERCENT	100.0	30.4	17.4	17.4	13.0	6.5	4.3	4.3	2.2	4.3	0.0	0.0

DEATHS



HISTORICAL SERIES

"Any man's death diminishes me, because I am involved in mankind; and therefore never send to know for whom the bell tolls; it tolls for thee." --- John Donne, Devotions

DEATHS

Advances in medical and allied sciences, changing patterns in medical care and public health programs, an increasingly health-conscientious public, and government at all levels, in meeting the health needs of the people, necessitate constant evaluation of Montanans' health status. Such an evaluation is required, not only for an appraisal of the current situation, but also is necessary to redefine present goals and gauge progress toward them. The evaluation depends largely on a study of vital and health statistics records and, more specifically, mortality data.

Three factors make mortality data useful in measuring health status:

1. reporting is consistent nationwide,
2. the total population is covered, and
3. data have been recorded in Montana since 1907, which makes trend analysis possible.

Age-Adjusted Rates

Since age is the most important factor influencing mortality, it is helpful to adjust death rates in an effort to control differences in the age-distributions of the populations of Montana counties. The type of adjustment followed is the method by which the age-specific death rates of a given county are applied to the age-distribution of a standard population, namely the standard million for Montana for 1960.

In comparing crude death rates for Montana and the United States, one should keep in mind that Montana has a younger population (median age 29.0 years) than the United States (30.0 years).

A map showing three-year age-adjusted death rates for Montana counties for 1979-1981 is on page 25. There are thirteen counties in the quartile showing high age-adjusted death rates. Of the thirteen, four are counties that have a relatively high Indian population; namely, Big Horn, Rosebud, Roosevelt, and Glacier. Another six counties are

in the southwestern portion of the state: Powell, Granite, Deer Lodge, Silver Bow, Beaverhead, and Madison. The remaining three counties, Mineral, Petroleum, and Fallon, are scattered across the state and have relatively small populations. The relatively small populations of these counties might account for a wide variation in rates and for their being included in the high quartile.

Three-Year Cause-Specific Rates

In an attempt to make maximum use of census data, death rates from selected causes have been calculated for the period 1979-1981. A three-year period is used in an attempt to deal with the problem of small numbers. We are able to compute a test of statistical significance only if a county has ten or more events during the period. In the case of heart disease, we were able to calculate a test of significance for every county except Petroleum.

Heart Disease

There are more deaths from heart disease than from any other cause. During the three-year period, there were 6,913 deaths from this cause producing a rate of 292.9 deaths per 100,000 population statewide. Fourteen counties had rates statistically-significantly higher than the state rate. Because mortality from heart disease is related to age, we have shown the rate and the median age for these counties:

County	Heart Disease Deaths Per 100,000 Population	Median Age
Carbon	395.1	35.0
Chouteau	410.4	32.1
Custer	404.3	30.4
Deer Lodge	490.0	32.3
Granite	456.8	32.8
Lake	355.1	30.1
Musselshell	444.1	32.6
Park	384.0	32.7
Phillips	447.2	29.5
Powell	392.8	30.9
Prairie	508.4	34.4
Ravalli	352.7	32.3
Silver Bow	505.8	32.0
Stillwater	387.0	33.3

Seven counties had rates significantly lower than the state rate. They are:

County	Rate	Median Age
Gallatin	189.7	25.1
Jefferson	170.7	29.6
Lewis & Clark	238.5	28.9
Lincoln	223.4	28.4
Missoula	200.4	27.4
Rosebud	198.7	25.2
Yellowstone	249.3	28.6

Cancer

Cancer is the second-leading cause of death in Montana. There were 3,874 deaths during 1979-81, producing a rate of 164.1 statewide. Counties with significantly high death rates from cancer, their rates, and median ages are as follows:

County	Rate	Median Age
Carbon	288.1	35.0
Deer Lodge	210.4	32.3
Fergus	224.3	32.6
Granite	259.3	32.8
Lake	202.9	30.1
Madison	238.6	34.2
Musselshell	233.4	32.6
Phillips	236.0	29.5
Ravalli	198.6	32.3
Silver Bow	246.8	32.0
Stillwater	262.0	33.3
Wheatland	282.6	34.0

Counties with significantly low rates:

County	Rate	Median Age
Gallatin	117.4	25.1
Missoula	111.8	27.4
Rosebud	77.4	25.2
Yellowstone	140.1	28.6

Infant Mortality

Infant mortality -- the death rate for children under a year old -- serves as a sensitive social indicator of the overall level of well-being for a given geographic area. Infant mortality, especially postneonatal infant mortality, responds quickly to such environmental conditions as

poverty, malnutrition, poor housing, low educational levels, and quality of medical care.

A major accomplishment of this century has been a reduction in infant mortality. The Montana rate for 1981 is 10.7, which equals the previous low set in 1979. In the past few years, the Montana rate has been lower than the nation's. Factors which may have favorably affected the infant death rate in Montana are an Improved Pregnancy Outcome Project in the Clinical Programs Bureau, and improvements in medical care for pregnant women and their children. Factors which may have adversely affected the infant death rate in Montana are an increasing proportion of births out-of-wedlock, and the distance necessary to travel for medical care as compared to more densely-populated states.

Because of Montana's sparse population, and the fact the state has many counties, the analysis of infant death rates for a single year is plagued by statistical problems involving small numbers. The five-year average infant death rate for the state was 11.8. For this period, only Glacier County, with a rate of 19.6, was significantly higher than the state rate; Lewis and Clark County, with a rate of 7.1, was significantly lower. For 1981, only Silver Bow County, with a rate of 23.2, was significantly higher than the state average of 10.7.

THREE-YEAR AGE-ADJUSTED DEATH RATES: MONTANA COUNTIES, 1979-1981
(BY PLACE OF RESIDENCE)
DEATHS PER 1,000 ESTIMATED POPULATION.
SOURCE: BUREAU OF RECORDS AND STATISTICS.
5.5 - 6.9 LOW QUARTILE
6.6 - 6.9 MEDIUM LOW QUARTILE
7.0 - 7.7 MEDIUM HIGH QUARTILE
7.8 - 10.2 HIGH QUARTILE

TABLE 9

DEATHS BY CAUSE, SEX, AND COLOR

MONTANA, 1981

BY PLACE OF RESIDENCE

INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
	ALL CAUSES	6,709	3,519	213	2,805	172
001-139	INFECTIOUS AND PARASITIC DISEASES.	52	27	5	17	3
001-009	INTESTINAL INFECTIOUS DISEASES	1	1	-	-	-
005	OTHER FOOD POISONING (BACTERIAL)	1	1	-	-	-
010-018	TUBERCULOSIS	4	2	1	1	-
011	PULMONARY TUBERCULOSIS	2	1	-	1	-
012	OTHER RESPIRATORY TUBERCULOSIS	1	-	1	-	-
018	MILIARY TUBERCULOSIS	1	1	-	-	-
020-027	ZOONOTIC BACTERIAL DISEASES.	1	-	-	-	1
027	OTHER ZOONOTIC BACTERIAL DISEASES.	1	-	-	-	1
030-041	OTHER BACTERIAL DISEASES	32	17	2	12	1
036	MENINGOCOCCAL INFECTION.	1	1	-	-	-
038	SEPTICEMIA	28	15	2	10	1
040	OTHER BACTERIAL DISEASES	1	-	-	1	-
041	BACTERIAL INFECTION OF UNSPECIFIED NATURE OR SITE.	2	1	-	1	-
045-049	POLIOMYELITIS & OTHER NON-ARTHROPOD-BORNE VIRAL DISEASES OF CNS.	2	1	-	1	-
046	SLOW VIRUS INFECTION OF CENTRAL NERVOUS SYSTEM	2	1	-	1	-
050-057	VIRAL DISEASES ACCOMPANIED BY EXANTHEM	1	-	-	1	-
053	HERPES ZOSTER.	1	-	-	1	-
070-079	OTHER DISEASES DUE TO VIRUSES AND CHLAMYDIAE	2	1	1	-	-
070	VIRAL HEPATITIS.	2	1	1	-	-
090-099	SYPHILIS AND OTHER VENEREAL DISEASES	1	-	-	1	-
094	NEUROSYPHILIS.	1	-	-	1	-
130-136	OTHER INFECTIOUS AND PARASITIC DISEASES.	5	3	1	1	-
135	SARCOIDOSIS.	3	2	-	1	-
136	OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES	2	1	1	-	-
137-139	LATE EFFECTS OF INFECTIOUS AND PARASITIC DISEASES	3	2	-	-	1
137	TUBERCULOSIS	3	2	-	-	1
140-239	NEOPLASMS.	1,357	696	21	616	24
140-149	MALIGNANT NEOPLASM OF LIP, ORAL CAVITY AND PHARYNX.	23	17	-	6	-
140	LIP.	1	1	-	-	-
141	TONGUE	7	3	-	4	-
142	MAJOR SALIVARY GLANDS.	2	2	-	-	-
144	FLOOR OF MOUTH	1	1	-	-	-
145	OTHER AND UNSPECIFIED PARTS OF MOUTH	3	2	-	1	-
146	OROPHARYNX	1	1	-	-	-
147	NASOPHARYNX.	2	2	-	-	-
149	PHARYNX.	6	5	-	1	-
150-159	MALIGNANT NEOPLASM OF DIGESTIVE ORGANS AND PERITONEUM	344	172	7	162	3
150	OF ESOPHAGUS	23	14	2	7	-
151	OF STOMACH	40	19	1	20	-
152	SMALL INTESTINE, INCLUDING DUODENUM.	5	3	-	2	-
153	COLON.	133	65	-	67	1
154	RECTUM, RECTOSIGMOID JUNCTION AND ANUS	35	19	-	16	-

TABLE 9

DEATHS BY CAUSE, SEX, AND COLOR

MONTANA, 1981

BY PLACE OF RESIDENCE

INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
155	LIVER AND INTRAHEPATIC BILE DUCTS.	16	9	1	6	-
156	GALLBLADDER AND EXTRAHEPATIC BILE DUCTS.	15	2	-	11	2
157	PANCREAS	65	34	2	29	-
158	RETROPERITONEUM AND PERITONEUM	5	5	-	-	-
159	ILL-DEFINED SITES WITHIN THE DIGESTIVE ORGANS AND PERITONEUM.	7	2	1	4	-
160-165	MALIGNANT NEOPLASM OF RESPIRATORY AND INTRATHORACIC ORGANS	310	212	5	85	8
160	NASAL CAVITIES, MIDDLE EAR AND ACCESSORY SINUSES.	1	-	-	1	-
161	LARYNX	10	10	-	-	-
162	TRACHEA, BRONCHUS AND LUNG	299	202	5	84	8
170-175	MALIGNANT NEOPLASM OF BONE, CONNECTIVE TISSUE, SKIN AND BREAST.	165	20	1	139	5
170	BONE AND ARTICULAR CARTILAGE	6	3	1	2	-
171	CONNECTIVE AND OTHER SOFT TISSUE	12	6	-	5	1
172	MALIGNANT MELANOMA OF SKIN	14	7	-	7	-
173	OTHER MALIGNANT NEOPLASM OF SKIN	8	4	-	4	-
174	FEMALE BREAST.	125	-	-	121	4
179-189	MALIGNANT NEOPLASM OF GENITOURINARY ORGANS	238	144	3	89	2
179	UTERUS, PART UNSPECIFIED	9	-	-	9	-
180	CERVIX UTERI	9	-	-	7	2
182	BODY OF UTERUS	4	-	-	4	-
183	OVARY AND OTHER UTERINE ADNEXA	42	-	-	42	-
184	OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	4	-	-	4	-
185	PROSTATE	109	108	1	-	-
186	TESTIS	1	1	-	-	-
188	BLADDER.	36	21	-	15	-
189	KIDNEY AND OTHER UNSPECIFIED URINARY ORGANS	24	14	2	8	-
190-199	MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED SITES.	126	64	2	57	3
191	BRAIN.	37	26	-	10	1
192	OTHER AND UNSPECIFIED PARTS OF NERVOUS SYSTEM	4	3	-	1	-
193	THYROID GLAND.	1	-	-	1	-
194	OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	2	-	-	2	-
195	ILL-DEFINED SITES.	7	3	-	3	1
199	MALIGNANT NEOPLASM WITHOUT SPECIFICATION OF SITE.	75	32	2	40	1
200-208	MALIGNANT NEOPLASM OF LYMPHATIC AND HEMATOPOIETIC TISSUE	137	63	2	69	3
200	LYMPHOSARCOMA AND RETICULOSARCOMA.	17	9	-	8	-
201	HODGKIN'S DISEASE.	8	2	1	5	-
202	OTHER MALIGNANT NEOPLASM OF LYMPHOID AND HISTIOCYTIC TISSUE	31	13	-	16	2
203	MULTIPLE MYELOMA AND IMMUNOPROLIFERATIVE NEOPLASMS.	24	9	1	14	-
204	LYMPHOID LEUKEMIA.	21	11	-	10	-
205	MYELOID LEUKEMIA	20	8	-	12	-
208	LEUKEMIA OF UNSPECIFIED CELL TYPE.	16	11	-	4	1
210-229	BENIGN NEOPLASMS	5	1	1	3	-
225	BRAIN AND OTHER PARTS OF NERVOUS SYSTEM.	3	-	1	2	-
227	OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	2	1	-	1	-
235-238	NEOPLASMS OF UNCERTAIN BEHAVIOR.	7	2	-	5	-
235	DIGESTIVE AND RESPIRATORY.	1	-	-	1	-

TABLE 9

DEATHS BY CAUSE, SEX, AND COLOR

MONTANA, 1981

BY PLACE OF RESIDENCE

INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
238	OTHER AND UNSPECIFIED SITES AND TISSUES.	6	2	-	4	-
239-239	NEOPLASMS OF UNSPECIFIED NATURE.	2	1	-	1	-
239	NEOPLASM OF UNSPECIFIED NATURE	2	1	-	1	-
240-279	ENDOCRINE, NUTRITIONAL & METABOLIC DISEASES & IMMUNITY DISORDERS	132	57	3	66	6
240-246	DISORDERS OF THYROID GLAND	3	2	-	1	-
242	THYROTOXICOSIS WITH OR WITHOUT GOITRE.	1	1	-	-	-
244	ACQUIRED HYPOTHYROIDISM.	2	1	-	1	-
250-259	DISEASES OF OTHER ENDOCRINE GLANDS	99	39	2	53	5
250	DIABETES MELLITUS.	95	38	2	50	5
252	DISORDERS OF PARATHYROID GLAND	1	-	-	1	-
255	DISORDERS OF ADRENAL GLANDS.	3	1	-	2	-
260-269	NUTRITIONAL DEFICIENCIES	7	3	1	3	-
263	OTHER AND UNSPECIFIED PROTEIN-CALORIE MALNUTRITION	7	3	1	3	-
270-279	OTHER METABOLIC DISORDERS & IMMUNITY DISORDERS.	23	13	-	9	1
273	PLASMA PROTEIN METABOLISM.	2	1	-	1	-
275	MINERAL METABOLISM	1	1	-	-	-
276	FLUID, ELECTROLYTE AND ACID-BASE BALANCE	9	4	-	4	1
277	OTHER AND UNSPECIFIED DISORDERS OF METABOLISM	6	6	-	-	-
278	OBESITY AND OTHER HYPERALIMENTATION.	5	1	-	4	-
280-289	DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	16	8	1	7	-
280-289	DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	16	8	1	7	-
281	OTHER DEFICIENCY ANEMIAS	1	1	-	-	-
283	ACQUIRED HEMOLYTIC ANEMIAS	1	1	-	-	-
284	APLASTIC ANEMIA.	7	3	-	4	-
285	OTHER AND UNSPECIFIED ANEMIAS.	1	-	-	1	-
286	COAGULATION DEFECTS.	1	-	-	1	-
287	PURPURA AND OTHER HEMORRHAGIC CONDITIONS	1	-	1	-	-
288	DISEASES OF WHITE BLOOD CELLS.	1	1	-	-	-
289	OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	3	2	-	1	-
290-319	MENTAL DISORDERS	69	33	3	27	6
290-294	ORGANIC PSYCHOTIC CONDITIONS	12	7	-	5	-
290	SENILE AND PRESENILE ORGANIC PSYCHOTIC CONDITIONS	12	7	-	5	-
295-299	OTHER PSYCHOSES.	3	-	-	3	-
295	SCHIZOPHRENIC PSYCHOSES.	1	-	-	1	-
296	AFFECTIVE PSYCHOSES.	1	-	-	1	-
298	OTHER NONORGANIC PSYCHOSES	1	-	-	1	-
300-316	NEUROSES, PERSONALITY DISORDERS & OTHER NON-PSYCHOTIC MENTAL DISORDERS	52	26	2	18	6
300	NEUROTIC DISORDERS	1	-	-	1	-
303	ALCOHOL DEPENDENCE SYNDROME.	32	22	2	3	5
305	NONDEPENDENT ABUSE OF DRUGS.	1	1	-	-	-
307	SPECIAL SYMPTOMS OR SYNDROMES NOT ELSEWHERE CLASSIFIED	2	-	-	2	-
310	SPECIFIC NONPSYCHOTIC MENTAL DISORDERS AFTER ORGANIC BRAIN DAMAGE	14	3	-	10	1
311	DEPRESSIVE DISORDER, NOT ELSEWHERE CLASSIFIED	2	-	-	2	-
317-319	MENTAL RETARDATION	2	-	1	1	-

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INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
319	UNSPECIFIED MENTAL RETARDATION	2	-	1	1	-
320-389	DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	86	47	1	36	2
320-326	INFLAMMATORY DISEASES OF THE CENTRAL NERVOUS SYSTEM	12	3	1	8	-
320	BACTERIAL MENINGITIS	6	2	-	4	-
322	MENINGITIS OF UNSPECIFIED CAUSE.	2	-	-	2	-
323	ENCEPHALITIS, MYELITIS AND ENCEPHALOMYELITIS.	1	-	-	1	-
324	INTRACRANIAL AND INTRASPINAL ABSCESS	3	1	1	1	-
330-337	HEREDITARY & DEGENERATIVE DISEASES OF THE CNS.	38	21	-	16	1
331	OTHER CEREBRAL DEGENERATIONS	5	3	-	2	-
332	PARKINSON'S DISEASE.	14	8	-	6	-
333	OTHER EXTRAPYRAMIDAL DISEASE AND ABNORMAL MOVEMENT DISORDERS	1	1	-	-	-
334	SPINOCEREBELLAR DISEASE.	2	1	-	1	-
335	ANTERIOR HORN CELL DISEASE	15	7	-	7	1
336	OTHER DISEASES OF SPINAL CORD.	1	1	-	-	-
340-349	OTHER DISORDERS OF THE CENTRAL NERVOUS SYSTEM.	30	19	-	10	1
340	MULTIPLE SCLEROSIS	6	4	-	2	-
341	OTHER DEMYELINATING DISEASES OF CENTRAL NERVOUS SYSTEM	1	1	-	-	-
342	HEMIPLEGIA	1	1	-	-	-
343	INFANTILE CEREBRAL PALSY	3	3	-	-	-
344	OTHER PARALYTIC SYNDROMES.	1	-	-	1	-
345	EPILEPSY	7	4	-	2	1
348	OTHER CONDITIONS OF BRAIN.	9	6	-	3	-
349	OTHER AND UNSPECIFIED DISORDERS OF THE NERVOUS SYSTEM	2	-	-	2	-
350-359	DISORDERS OF THE PERIPHERAL NERVOUS SYSTEM	6	4	-	2	-
356	HEREDITARY AND IDIOPATHIC PERIPHERAL NEUROPATHY	2	1	-	1	-
357	INFLAMMATORY AND TOXIC NEUROPATHY.	1	1	-	-	-
358	MYONEURAL DISORDERS.	1	-	-	1	-
359	MUSCULAR DYSTROPHIES AND OTHER MYOPATHIES.	2	2	-	-	-
390-459	DISEASES OF THE CIRCULATORY SYSTEM	3,098	1,556	53	1,439	50
393-398	CHRONIC RHEUMATIC HEART DISEASE.	36	8	-	27	1
394	DISEASES OF MITRAL VALVE	14	1	-	13	-
395	DISEASES OF AORTIC VALVE	3	1	-	2	-
396	DISEASES OF MITRAL AND AORTIC VALVES	3	3	-	-	-
397	DISEASES OF OTHER ENDOCARDIAL STRUCTURES	2	-	-	1	1
398	OTHER RHEUMATIC HEART DISEASE.	14	3	-	11	-
401-404	HYPERTENSIVE DISEASE	89	31	1	55	2
401	ESSENTIAL HYPERTENSION	14	8	1	5	-
402	HYPERTENSIVE HEART DISEASE	55	19	-	35	1
403	HYPERTENSIVE RENAL DISEASE	13	4	-	9	-
404	HYPERTENSIVE HEART AND RENAL DISEASE	7	-	-	6	1
410-414	ISCHEMIC HEART DISEASE	1,558	896	36	607	19
410	ACUTE MYOCARDIAL INFARCTION.	888	537	23	314	14
411	OTHER ACUTE AND SUBACUTE FORM OF ISCHEMIC HEART DISEASE.	5	3	-	2	-
412	OLD MYOCARDIAL INFARCTION.	3	2	-	1	-
414	OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE.	662	354	13	290	5
415-417	DISEASES OF PULMONARY CIRCULATION.	41	15	-	24	2
415	ACUTE PULMONARY HEART DISEASE.	33	11	-	20	2

TABLE 9

DEATHS BY CAUSE, SEX, AND COLOR

MONTANA, 1981

BY PLACE OF RESIDENCE

INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
416	CHRONIC PULMONARY HEART DISEASE.	8	4	-	4	-
420-429	OTHER FORMS OF HEART DISEASE	582	282	10	271	19
421	ACUTE AND SUBACUTE ENDOCARDITIS.	3	1	-	2	-
422	ACUTE MYOCARDITIS.	1	-	-	-	1
423	OTHER DISEASES OF PERICARDIUM.	2	1	-	1	-
424	OTHER DISEASES OF ENDOCARDIUM.	33	15	1	17	-
425	CARDIOMYOPATHY	16	11	-	5	-
426	CONDUCTION DISORDERS	3	1	-	2	-
427	CARDIAC DYSRHYTHMIAS	206	105	6	87	8
428	HEART FAILURE.	123	69	1	45	8
429	ILL-DEFINED DESCRIPTIONS & COMPLICATIONS OF HEART DISEASE	195	79	2	112	2
430-438	CEREBROVASCULAR DISEASE.	549	215	4	325	5
430	SUBARACHNOID HEMORRHAGE.	27	6	1	19	1
431	INTRACEREBRAL HEMORRHAGE	38	20	-	18	-
432	OTHER AND UNSPECIFIED INTRACRANIAL HEMORRHAGE	3	2	-	1	-
433	OCCLUSION AND STENOSIS OF PRECEREBRAL ARTERIES	5	4	-	1	-
434	OCCLUSION OF CEREBRAL ARTERIES	105	40	-	65	-
435	TRANSIENT CEREBRAL ISCHEMIA.	2	1	-	1	-
436	ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE.	286	115	2	165	4
437	OTHER AND ILL-DEFINED CEREBROVASCULAR DISEASE.	68	22	-	46	-
438	LATE EFFECTS OF CEREBROVASCULAR DISEASE.	15	5	1	9	-
440-448	DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES.	216	93	2	120	1
440	ATHEROSCLEROSIS.	156	57	-	98	1
441	AORTIC ANEURYSM.	43	28	1	14	-
442	OTHER ANEURYSM	4	3	1	-	-
443	OTHER PERIPHERAL VASCULAR DISEASE.	2	-	-	2	-
444	ARTERIAL EMBOLISM AND THROMBOSIS	4	-	-	4	-
446	POLYARTERITIS NODOSA AND ALLIED CONDITIONS	2	1	-	1	-
447	OTHER DISORDERS OF ARTERIES AND ARTERIOLES	5	4	-	1	-
451-459	DISEASES OF VEINS & LYMPHATICS, & OTHER DIS. OF CIRCULATORY SYSTEM.	27	16	-	10	1
451	PHLEBITIS AND THROMBOPHLEBITIS	6	4	-	2	-
453	OTHER VENOUS EMBOLISM AND THROMBOSIS	2	1	-	1	-
456	VARICOSE VEINS OF OTHER SITES.	2	1	-	-	1
458	HYPOTENSION.	3	2	-	1	-
459	OTHER DISORDERS OF CIRCULATORY SYSTEM.	14	8	-	6	-
460-519	DISEASES OF THE RESPIRATORY SYSTEM	530	331	10	181	8
460-466	ACUTE RESPIRATORY INFECTIONS	3	1	1	1	-
464	ACUTE LARYNGITIS AND TRACHEITIS.	1	1	-	-	-
466	ACUTE BRONCHITIS AND BRONCHIOLITIS	2	-	1	1	-
470-478	OTHER DISEASES OF UPPER RESPIRATORY TRACT.	1	-	-	1	-
478	OTHER DISEASES OF UPPER RESPIRATORY TRACT.	1	-	-	1	-
480-487	PNEUMONIA AND INFLUENZA.	181	91	3	84	3
480	VIRAL PNEUMONIA.	2	1	-	1	-
481	PNEUMOCOCCAL PNEUMONIA	8	2	1	4	1
482	OTHER BACTERIAL PNEUMONIA.	8	4	-	4	-
485	BRONCHOPNEUMONIA, ORGANISM UNSPECIFIED	31	14	-	16	1
486	PNEUMONIA, ORGANISM UNSPECIFIED.	122	65	1	55	1
487	INFLUENZA.	10	5	1	4	-
490-496	CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS.	299	210	6	81	2

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INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
490	BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	2	2	-	-	-
491	CHRONIC BRONCHITIS	22	14	1	7	-
492	EMPHYSEMA	69	54	-	15	-
493	ASTHMA	23	11	1	11	-
494	BRONCHIECTASIS	1	-	-	-	1
496	CHRONIC AIRWAYS OBSTRUCTION, NOT ELSEWHERE CLASSIFIED	182	129	4	48	1
500-508	PNEUMOCONIOSES AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENTS	9	8	-	-	1
500	COALWORKERS' PNEUMOCONIOSIS	1	1	-	-	-
502	PNEUMOCONIOSIS DUE TO OTHER SILICA OR SILICATES	1	1	-	-	-
507	PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	7	6	-	-	1
510-519	OTHER DISEASES OF RESPIRATORY SYSTEM	37	21	-	14	2
510	EMPYEMA	3	2	-	1	-
512	PNEUMOTHORAX	1	-	-	1	-
513	ABSCESS OF LUNG AND MEDIASTINUM	2	2	-	-	-
514	PULMONARY CONGESTION AND HYPOSTASIS	5	1	-	3	1
515	POSTINFLAMMATORY PULMONARY FIBROSIS	7	6	-	1	-
518	OTHER DISEASES OF LUNG	16	9	-	7	-
519	OTHER DISEASES OF RESPIRATORY SYSTEM	3	1	-	1	1
520-579	DISEASES OF THE DIGESTIVE SYSTEM	278	116	15	121	26
530-537	DISEASES OF ESOPHAGUS, STOMACH AND DUODENUM	41	22	-	19	-
530	DISEASES OF ESOPHAGUS	8	5	-	3	-
531	GASTRIC ULCER	7	2	-	5	-
532	DUODENAL ULCER	14	8	-	6	-
533	PEPTIC ULCER, SITE UNSPECIFIED	9	6	-	3	-
535	GASTRITIS AND DUODENITIS	2	-	-	2	-
537	OTHER DISORDERS OF STOMACH AND DUODENUM	1	1	-	-	-
550-553	HERNIA OF ABDOMINAL CAVITY	6	1	-	5	-
550	INGUINAL HERNIA	1	1	-	-	-
552	OTHER WITH OBSTRUCTION, WITHOUT MENTION OF GANGRENE	2	-	-	2	-
553	OTHER WITHOUT MENTION OF OBSTRUCTION OR GANGRENE	3	-	-	3	-
555-558	NONINFECTIVE ENTERITIS AND COLITIS	29	15	-	14	-
557	VASCULAR INSUFFICIENCY OF INTESTINE	26	12	-	14	-
558	OTHER NONINFECTIVE GASTROENTERITIS AND COLITIS	3	3	-	-	-
560-569	OTHER DISEASES OF INTESTINES AND PERITONEUM	34	8	-	26	-
560	INTESTINAL OBSTRUCTION WITHOUT MENTION OF HERNIA	17	3	-	14	-
562	DIVERTICULA OF INTESTINE	8	3	-	5	-
567	PERITONITIS	7	2	-	5	-
569	OTHER DISORDERS OF INTESTINE	2	-	-	2	-
570-579	OTHER DISEASES OF DIGESTIVE SYSTEM	168	70	15	57	26
570	ACUTE AND SUBACUTE NECROSIS OF LIVER	1	-	-	1	-
571	CHRONIC LIVER DISEASE AND CIRRHOSIS	109	46	14	28	21
572	LIVER ABSCESS AND SEQUELAE OF CHRONIC LIVER DISEASE	8	4	-	3	1
573	OTHER DISORDERS OF LIVER	4	1	1	2	-
574	CHOLELITHIASIS	6	3	-	2	1
575	OTHER DISORDERS OF GALLBLADDER	5	1	-	2	2
576	OTHER DISORDERS OF BILIARY TRACT	6	2	-	4	-
577	DISEASES OF PANCREAS	10	5	-	5	-
578	GASTROINTESTINAL HEMORRHAGE	18	8	-	9	1
579	INTESTINAL MALABSORPTION	1	-	-	1	-

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INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
580-629	DISEASES OF THE GENITOURINARY SYSTEM	96	50	3	41	2
580-589	NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS.	70	36	3	29	2
580	ACUTE GLOMERULONEPHRITIS	2	2	-	-	-
581	NEPHROTIC SYNDROME	1	1	-	-	-
582	CHRONIC GLOMERULONEPHRITIS	11	4	-	6	1
583	NEPHRITIS AND NEPHROPATHY, NOT SPECIFIED AS ACUTE OR CHRONIC.	2	2	-	-	-
584	ACUTE RENAL FAILURE.	8	4	-	4	-
585	CHRONIC RENAL FAILURE.	12	6	2	4	-
586	RENAL FAILURE, UNSPECIFIED	34	17	1	15	1
590-599	OTHER DISEASES OF URINARY SYSTEM	22	11	-	11	-
590	INFECTIONS OF KIDNEY	6	4	-	2	-
592	CALCULUS OF KIDNEY AND URETER.	1	1	-	-	-
593	OTHER DISORDERS OF KIDNEY AND URETER	2	2	-	-	-
596	OTHER DISORDERS OF BLADDER	1	-	-	1	-
599	OTHER DISORDERS OF URETHRA AND URINARY TRACT.	12	4	-	8	-
600-608	DISEASES OF MALE GENITAL ORGANS.	3	3	-	-	-
600	HYPERPLASIA OF PROSTATE.	3	3	-	-	-
617-629	OTHER DISORDERS OF FEMALE GENITAL TRACT.	1	-	-	1	-
627	MENOPAUSAL AND POSTMENOPAUSAL DISORDERS.	1	-	-	1	-
680-709	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	2	1	-	1	-
690-698	OTHER INFLAMMATORY CONDITIONS OF SKIN AND SUBCUTANEOUS TISSUE.	2	1	-	1	-
695	ERYTHEMATOUS CONDITIONS.	2	1	-	1	-
710-739	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.	19	7	-	12	-
710-719	ARTHROPATHIES AND RELATED DISORDERS.	13	4	-	9	-
710	DIFFUSE DISEASES OF CONNECTIVE TISSUE.	8	1	-	7	-
714	RHEUMATOID ARTHRITIS & OTHER INFLAMMATORY POLYARTHROPATHIES.	4	3	-	1	-
715	OSTEOARTHROSIS AND ALLIED DISORDERS.	1	-	-	1	-
720-724	DORSOPATHIES	1	1	-	-	-
722	INTERVERTEBRAL DISC DISORDERS.	1	1	-	-	-
725-729	RHEUMATISM, EXLUDING THE BACK.	1	-	-	1	-
729	OTHER DISORDERS OF SOFT TISSUE	1	-	-	1	-
730-739	OSTEOPATHIES, CHONDROPATHIES & ACQUIRED MUSCULOSKELETAL DEFORMITIES	4	2	-	2	-
730	OSTEOMYELITIS, PERIOSTITIS AND OTHER INFECTIONS INVOLVING BONE	1	1	-	-	-
731	OSTEITIS DEFORMANS & OSTEOPATHIES ASSOC. WITH OTHER DISORDERS	1	1	-	-	-
733	OTHER DISORDERS OF BONE AND CARTILAGE.	1	-	-	1	-
737	CURVATURE OF SPINE	1	-	-	1	-
740-759	CONGENITAL ANOMALIES	39	22	1	15	1
740-759	CONGENITAL ANOMALIES	39	22	1	15	1
740	ANENCEPHALUS AND SIMILAR ANOMALIES	1	1	-	-	-
742	OTHER CONGENITAL ANOMALIES OF NERVOUS SYSTEM	2	1	-	1	-
745	BULBUS CORDIS ANOMALIES AND ANOMALIES OF CARDIAC SEPTAL CLOSURE	7	3	-	4	-
746	OTHER CONGENITAL ANOMALIES OF HEART.	12	8	-	4	-

TABLE 9

DEATHS BY CAUSE, SEX, AND COLOR

MONTANA, 1981

BY PLACE OF RESIDENCE

INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
747	OTHER CONGENITAL ANOMALIES OF CIRCULATORY SYSTEM	3	2	-	1	-
748	CONGENITAL ANOMALIES OF RESPIRATORY SYSTEM	1	1	-	-	-
751	OTHER CONGENITAL ANOMALIES OF DIGESTIVE SYSTEM	3	2	-	-	1
756	OTHER CONGENITAL MUSCULOSKELETAL ANOMALIES.	4	1	1	2	-
758	CHROMOSOMAL ANOMALIES.	3	1	-	2	-
759	OTHER & UNSPECIFIED CONGENITAL ANOMALIES	3	2	-	1	-
760-779	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	74	41	1	25	7
760-779	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	74	41	1	25	7
761	MATERNAL COMPLICATIONS OF PREGNANCY.	6	5	-	-	1
762	COMPLICATIONS OF PLACENTA, CORD AND MEMBRANES.	6	4	-	2	-
763	OTHER COMPLICATIONS OF LABOR AND DELIVERY.	1	-	-	1	-
765	PREMATURITY.	6	4	-	2	-
767	BIRTH TRAUMA	2	1	-	-	1
768	INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA.	7	-	-	4	3
769	RESPIRATORY DISTRESS SYNDROME.	13	12	-	1	-
770	OTHER RESPIRATORY CONDITIONS OF FETUS AND NEWBORN.	16	7	1	8	-
771	INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	7	3	-	2	2
772	FETAL AND NEONATAL HEMORRHAGE.	2	2	-	-	-
777	PERINATAL DISORDERS OF DIGESTIVE SYSTEM.	1	-	-	1	-
778	CONDITIONS INVOLVING THE INTEGUMENT AND TEMPERATURE REGULATION	2	1	-	1	-
779	ILL-DEFINED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	5	2	-	3	-
780-799	SYMPTOMS, SIGNS AND ILL-DEFINED CONDITIONS	109	50	7	42	10
780-789	SYMPTOMS	2	-	-	1	1
785	SYMPTOMS INVOLVING CARDIOVASCULAR SYSTEM	2	-	-	1	1
797-799	ILL-DEFINED AND UNKNOWN CAUSES OF MORBIDITY & MORTALITY.	107	50	7	41	9
797	SENILITY WITHOUT MENTION OF PSYCHOSIS.	10	5	-	5	-
798	SUDDEN DEATH, CAUSE UNKNOWN.	41	18	5	11	7
799	OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORBIDITY AND MORTALITY.	56	27	2	25	2
800-999	EXTERNAL CAUSES OF INJURY AND POISONING.	752	477	89	159	27
800-807	RAILWAY ACCIDENTS.	4	1	3	-	-
804	FALL IN, ON OR FROM RAILWAY TRAIN.	1	-	1	-	-
805	HIT BY ROLLING STOCK	3	1	2	-	-
810-819	MOTOR VEHICLE TRAFFIC ACCIDENTS.	303	179	48	63	13
810	COLLISION WITH TRAIN	3	2	-	1	-
812	INVOLVING COLLISION WITH ANOTHER MOTOR VEHICLE.	96	51	16	26	3
813	INVOLVING COLLISION WITH OTHER VEHICLE	2	2	-	-	-
814	INVOLVING COLLISION WITH PEDESTRIAN.	33	17	7	8	1
815	OTHER TRAFFIC ACCIDENT INVOLVING COLLISION ON THE HIGHWAY	35	22	4	7	2
816	LOSS OF CONTROL, WITHOUT COLLISION ON THE HIGHWAY.	129	81	21	20	7
818	OTHER NONCOLLISION TRAFFIC ACCIDENT.	1	1	-	-	-
819	MOTOR VEHICLE TRAFFIC ACCIDENT OF UNSPECIFIED NATURE	4	3	-	1	-

TABLE 9

DEATHS BY CAUSE, SEX, AND COLOR

MONTANA, 1981

BY PLACE OF RESIDENCE

INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
820-825	MOTOR VEHICLE NONTRAFFIC ACCIDENTS	5	5	-	-	-
820	INVOLVING MOTOR-DRIVEN SNOW VEHICLE.	2	2	-	-	-
821	INVOLVING OTHER OFF-ROAD MOTOR VEHICLE	1	1	-	-	-
822	INVOLVING COLLISION WITH MOVING OBJECT	1	1	-	-	-
825	NONTRAFFIC ACCIDENT OF OTHER AND UNSPECIFIED NATURE	1	1	-	-	-
826-829	OTHER ROAD VEHICLE ACCIDENTS	3	3	-	-	-
828	ACCIDENT INVOLVING ANIMAL BEING RIDDEN	3	3	-	-	-
830-838	WATER TRANSPORT ACCIDENTS.	8	6	-	2	-
830	ACCIDENT TO WATERCRAFT CAUSING SUBMERSION.	8	6	-	2	-
840-845	AIR AND SPACE TRANSPORT ACCIDENTS.	16	14	-	2	-
841	ACCIDENT TO POWERED AIRCRAFT, OTHER AND UNSPECIFIED.	14	13	-	1	-
842	ACCIDENT TO UNPOWERED AIRCRAFT	1	1	-	-	-
844	OTHER SPECIFIED AIR TRANSPORT ACCIDENTS.	1	-	-	1	-
846-848	VEHICLE ACCIDENTS NOT ELSEWHERE CLASSIFIABLE	2	2	-	-	-
846	POWERED VEHICLES WITHIN THE PREMISES OF A COMMERCIAL ESTABLISHMENT	1	1	-	-	-
848	INVOLVING OTHER VEHICLES, NEC.	1	1	-	-	-
850-858	ACCIDENTAL POISONING BY DRUGS, MEDICAMENTS & BIOLOGICALS.	5	3	-	2	-
850	BY ANALGESICS, ANTIPYRETICS, ANTIRHEUMATICS	1	-	-	1	-
856	BY ANTIBIOTICS	1	-	-	1	-
858	BY OTHER DRUGS	3	3	-	-	-
860-869	ACCIDENTAL POISONING BY OTHER SOLID & LIQUID SUBSTANCES, GASES & VAPORS	15	8	3	3	1
860	BY ALCOHOL, NEC.	2	1	1	-	-
861	BY CLEANSING & POL. AGENTS, PAINTS, DISINFECTANTS, & VARNISH	1	-	-	-	1
862	BY PETROLEUM PRODUCTS, OTHER SOLVENTS & THEIR VAPORS, NEC.	1	1	-	-	-
868	BY OTHER UTILITY GAS AND OTHER CARBON MONOXIDE	10	5	2	3	-
869	BY OTHER GASES AND VAPORS.	1	1	-	-	-
870-876	MISADVENTURES TO PATIENTS DURING SURGICAL AND MEDICAL CARE	2	-	-	1	1
870	ACCIDENTAL CUT, PUNCTURE, PERFORATION OR HEMORRHAGE	1	-	-	-	1
876	OTHER AND UNSPECIFIED MISADVENTURES DURING MEDICAL CARE.	1	-	-	1	-
878-879	SURGICAL & MEDICAL PROCEDURES AS THE CAUSE OF ABNORMAL REACTION	4	1	-	3	-
878	SURGICAL OPERATION AND OTHER SURGICAL PROCEDURES	3	1	-	2	-
879	OTHER PROCEDURES	1	-	-	1	-
880-888	ACCIDENTAL FALLS	68	33	2	31	2
880	FALL ON OR FROM STAIRS OR STEPS.	13	5	1	7	-
881	FALL ON OR FROM LADDERS OR SCAFFOLDING	1	1	-	-	-
884	OTHER FALL FROM ONE LEVEL TO ANOTHER	10	6	-	4	-
885	FALL ON SAME LEVEL FROM SLIPPING, TRIPPING OR STUMBLING.	2	-	-	2	-
887	FRACTURE, CAUSE UNSPECIFIED.	5	2	-	3	-
888	OTHER AND UNSPECIFIED FALL	37	19	1	15	2
890-899	ACCIDENTS CAUSED BY FIRE AND FLAMES.	13	7	2	3	1

TABLE 9

DEATHS BY CAUSE, SEX, AND COLOR

MONTANA, 1981

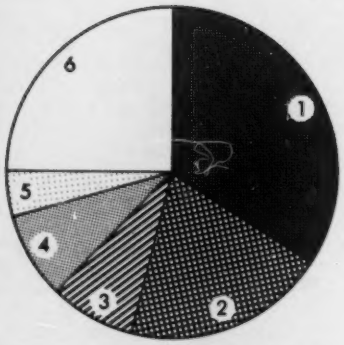
BY PLACE OF RESIDENCE

INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
890	CONFLAGRATION IN PRIVATE DWELLING.	12	7	2	2	1
898	OTHER SPECIFIED FIRE AND FLAMES.	1	-	-	1	-
900-909	ACCIDENTS DUE TO NATURAL AND ENVIRONMENTAL FACTORS.	14	9	1	2	2
901	EXCESSIVE COLD	8	3	1	2	2
905	VENOMOUS ANIMALS AND PLANTS.	1	1	-	-	-
906	OTHER INJURY CAUSED BY ANIMALS	1	1	-	-	-
907	LIGHTNING.	2	2	-	-	-
909	CATACLYSMIC EARTH SURFACE MOVEMENTS AND ERUPTIONS.	2	2	-	-	-
910-915	ACCIDENTS CAUSED BY SUBMERSION, SUFFOCATION AND FOREIGN BODIES	45	28	9	7	1
910	ACCIDENTAL DROWNING AND SUBMERSION	35	24	7	3	1
911	INHALATION AND INGESTION OF FOOD CAUSING OBSTRUCTION OR SUFFOCATION	4	1	2	1	-
912	INHALATION & ING. OF OTHER OBJECT CAUSING OBSTRUCTION OR SUFFOCATION	1	-	-	1	-
913	ACCIDENTAL MECHANICAL SUFFOCATION.	4	2	-	2	-
914	FOREIGN BODY ACCIDENTALLY ENTERING EYE & ADNEXA	1	1	-	-	-
916-928	OTHER ACCIDENTS.	38	35	2	-	1
916	STRUCK ACCIDENTALLY BY FALLING OBJECT.	4	3	-	-	1
917	STRIKING AGAINST OR STRUCK ACCIDENTALLY BY OBJECTS OR PERSONS.	3	2	1	-	-
919	ACCIDENTS CAUSED BY MACHINERY.	13	13	-	-	-
921	CAUSED BY EXPLOSION OF PRESSURE VESSEL	2	2	-	-	-
922	CAUSED BY FIREARM MISSILE.	7	6	1	-	-
925	ACCIDENT CAUSED BY ELECTRIC CURRENT.	7	7	-	-	-
927	OVEREXERTION AND STRENUOUS MOVEMENTS	1	1	-	-	-
928	OTHER AND UNSPECIFIED ENVIRONMENTAL AND ACCIDENTAL CAUSES.	1	1	-	-	-
929-929	LATE EFFECTS OF ACCIDENTAL INJURY.	8	6	2	-	-
929	LATE EFFECTS OF ACCIDENTAL INJURY.	8	6	2	-	-
950-959	SUICIDE AND SELFINFLICTED INJURY	137	106	8	23	-
950	SELFINFLICTED POISONING BY SOLID OR LIQUID SUBSTANCES	14	7	-	7	-
952	SELFINFLICTED POISONING BY OTHER GASES AND VAPORS	10	8	-	2	-
953	SELFINFLICTED INJURY BY HANGING, STRANGULATION AND SUFFOCATION	19	12	4	3	-
955	SELFINFLICTED INJURY BY FIREARMS AND EXPLOSIVES	92	78	4	10	-
956	SELFINFLICTED INJURY BY CUTTING AND PIERCING INSTRUMENTS	2	1	-	1	-
960-969	HOMICIDE AND INJURY PURPOSELY INFLICTED BY OTHER PERSONS.	47	20	9	13	5
960	FIGHT, BRAWL, RAPE	1	-	-	-	1
963	ASSAULT BY HANGING AND STRANGULATION	1	-	-	1	-
965	ASSAULT BY FIREARMS AND EXPLOSIVES	38	17	7	11	3
966	ASSAULT BY CUTTING & PIERCING INSTRUMENT	5	3	1	-	1
967	CHILD BATTERING AND OTHER MALTREATMENT	2	-	1	1	-
980-989	INJURY UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED.	15	11	-	4	-
980	POISONING BY SOLID OR LIQUID SUBSTANCES.	5	3	-	2	-
982	POISONING BY OTHER GASES	1	1	-	-	-
984	SUBMERSION (DROWNING).	1	-	-	1	-
985	INJURY BY FIREARMS AND EXPLOSIVES.	4	3	-	1	-
986	INJURY BY CUTTING AND PIERCING INSTRUMENTS.	1	1	-	-	-
988	INJURY BY OTHER AND UNSPECIFIED MEANS.	3	3	-	-	-

TABLE 10

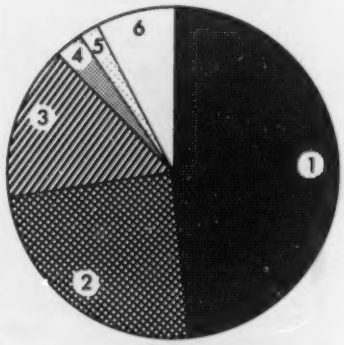
LEADING CAUSES OF DEATH BY AGE GROUP
Montana, 1981
(By Place of Residence)

ALL AGES



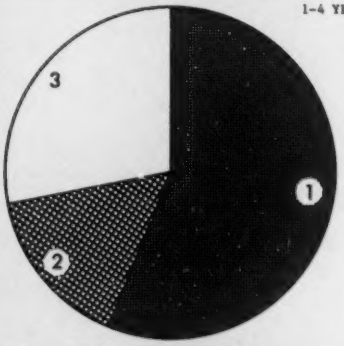
Cause of Death	Number of Deaths
1. Heart Disease	2,279
2. Cancer	1,343
3. Accidents	553
4. Stroke	549
5. Chronic Obstructive Pulmonary Diseases	299
6. Other Causes	1,686
Total Deaths	6,709

UNDER 1 YEAR



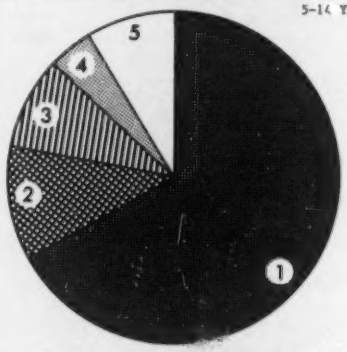
Cause of Death	Number of Deaths
1. Diseases of Early Infancy	74
2. Sudden Infant Death	37
3. Congenital Anomalies	23
4. Accidents	4
5. Pneumonia & Influenza	3
6. Other Causes	12
Total Deaths	153

1-4 YEARS



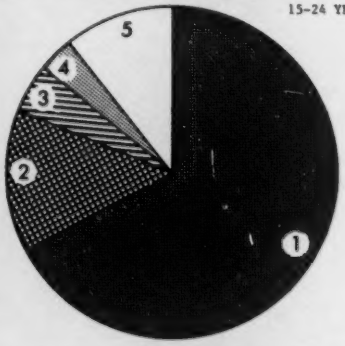
Cause of Death	Number of Deaths
1. Accidents	14
2. Congenital Anomalies	4
3. Other Causes	7
Total Deaths	25

5-14 YEARS



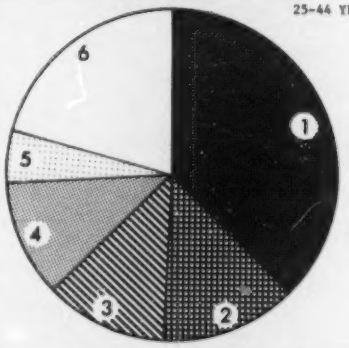
Cause of Death	Number of Deaths
1. Accidents	30
2. Cancer	5
3. Other Disorders of Metabolism	4
4. Congenital Anomalies	2
5. Other Causes	4
Total Deaths	45

15-24 YEARS



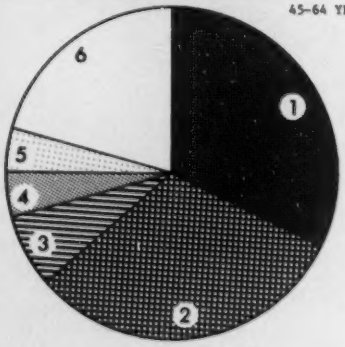
Cause of Death	Number of Deaths
1. Accidents	138
2. Suicide	28
3. Homicide	10
4. Cancer	7
5. Other Causes	22
Total Deaths	205

25-44 YEARS



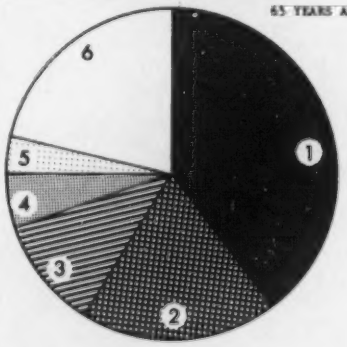
Cause of Death	Number of Deaths
1. Accidents	168
2. Suicide	57
3. Cancer	53
4. Heart Disease	51
5. Homicide	22
6. Other Causes	92
Total Deaths	443

45-64 YEARS



Cause of Death	Number of Deaths
1. Heart Disease	426
2. Cancer	417
3. Accidents	93
4. Cirrhosis of liver	58
5. Chronic Obstructive Pulmonary Diseases	56
6. Other Causes	274
Total Deaths	1,324

65 YEARS AND OLDER



Cause of Death	Number of Deaths
1. Heart Disease	1,798
2. Cancer	860
3. Stroke	487
4. Chronic Obstructive Pulmonary Diseases	240
5. Pneumonia & Influenza	139
6. Other Causes	970
Total Deaths	4,514

TABLE 11

DEATHS FROM SELECTED ACCIDENTS BY AGE
MONTANA, 1981

BY PLACE OF OCCURRENCE. EACH PERCENT HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST ONE-TENTH OF ONE PERCENT; HENCE, THE SUMS OF PARTS MAY DIFFER SLIGHTLY FROM THE TOTALS SHOWN.

NINTH REVISION INTERNATIONAL LIST NUMBER	ACCIDENTAL CAUSE OF DEATH	TOTAL ALL AGES	UNDER 1 YEAR	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65 AND OVER	AGE NOT STATED
		NUMBER												
	TOTAL DEATHS, ALL CAUSES	6,707	133	24	22	27	100	133	234	234	397	902	4,501	-
	ACCIDENTAL DEATHS, TOTAL.	603	5	14	19	18	76	83	126	63	51	41	107	-
810-825	MOTOR VEHICLE, TOTAL	349	1	3	7	16	60	64	83	39	28	18	30	-
800-807,826-949	OTHER ACCIDENTS, TOTAL	254	4	11	12	2	16	19	43	24	23	23	77	-
800-807,826-848	OTHER TRANSPORTATION, TOTAL . . .	34	-	-	1	-	4	3	9	6	6	3	2	-
840-845	AIRCRAFT.	16	-	-	-	-	2	1	4	4	4	1	-	-
800-807,826-838 846-848	OTHER	18	-	-	1	-	2	2	5	2	2	2	2	-
850-866	POISONING BY SOLIDS AND LIQUIDS, TOTAL. .	9	-	-	-	-	1	1	3	1	2	-	1	-
850-858	DRUGS AND MEDICATIONS	5	-	-	-	-	-	-	1	1	2	-	1	-
860-866	OTHER	4	-	-	-	-	1	1	2	-	-	-	-	-
867-869	POISONING BY GASES, TOTAL	12	-	1	-	-	2	1	2	-	-	6	-	-
867-8681	UTILITY GAS	6	-	-	-	-	1	1	1	-	-	3	-	-
8682-8699	OTHER	6	-	1	-	-	1	-	1	-	-	3	-	-
880-888	FALLS, TOTAL.	71	-	1	-	-	1	2	5	2	4	6	50	-
880	ON OR FROM STAIRS	12	-	-	-	-	-	-	1	-	2	4	5	-
881	ON OR FROM LADDER	2	-	-	-	-	-	-	1	-	1	-	-	-
882	FROM OR OUT OF BUILDING	3	-	-	-	-	-	1	1	1	-	-	-	-
883	INTO OPENING IN SURFACE	-	-	-	-	-	-	-	-	-	-	-	-	-
884	ONE LEVEL TO ANOTHER.	12	-	1	-	-	1	1	1	1	1	-	6	-
885-886	SAME LEVEL.	2	-	-	-	-	-	-	-	-	-	-	2	-
887-888	FRACTURE OR FALL, UNSPECIFIED .	40	-	-	-	-	-	-	1	-	-	2	37	-
890-899	FIRE AND FLAMES, TOTAL.	13	-	1	-	-	-	-	4	2	1	-	5	-
923	EXPLOSIONS, TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-
922	INJURY BY FIREARMS, TOTAL	7	-	-	-	1	1	1	3	-	1	-	-	-
910	DROWNING, TOTAL	41	2	6	11	-	6	4	9	2	-	-	1	-
916	STRUCK BY FALLING OBJECT, TOTAL .	6	-	-	-	-	-	-	1	4	-	1	-	-
919	MACHINERY, TOTAL.	11	-	-	-	-	-	3	1	3	1	3	-	-
870-879,900-909 911-915,917-918 920-921,924-949	OTHER ACCIDENTS, TOTAL.	50	2	2	-	1	1	4	6	4	8	4	18	-
		PERCENT OF DEATHS FROM CAUSES												
	ACCIDENTAL DEATHS, TOTAL.	9.0	3.8	58.3	86.4	66.7	76.0	62.4	53.8	26.9	12.8	4.5	2.4	0.0
810-825	MOTOR VEHICLE, TOTAL	5.2	0.8	12.5	31.8	59.3	60.0	48.1	35.5	16.7	7.1	2.0	0.7	0.0
800-807,826-949	OTHER ACCIDENTS, TOTAL	3.8	3.0	45.8	54.5	7.4	16.0	14.3	18.4	10.3	5.8	2.5	1.7	0.0

TABLE 12

RESIDENT DEATHS FROM SELECTED CAUSES BY COUNTY
MONTANA, 1981

COUNTY	NINTH REVISION, INTERNATIONAL LIST NUMBER														
	TOTAL, ALL CAUSES	ACCIDENTS 800-949	APPENDICITIS 540-543	CEREBROVASCULAR DISEASE 430-438	CANCER 140-208	DIABETES 250	HEART DISEASE 390-398 402,404 410-429	INFLUENZA 487	MENINGITIS 320-322	NEPHRITIS 580-589	PNEUMONIA 480-486	POLIOMYELITIS 045,138	SYPHILIS 090-097	TUBERCULOSIS 010-018,137	ALL OTHER CAUSES
MONTANA, TOTAL	6,709	553	-	549	1,343	95	2,279	10	8	70	171	-	1	7	1,623
BEAVERHEAD	86	6	-	9	14	-	30	-	-	-	-	-	-	-	27
BIG HORN	120	14	-	6	22	3	35	-	1	2	2	-	-	-	35
BLAINE	71	9	-	8	11	-	22	1	-	-	5	-	-	-	15
BROADWATER	25	1	-	3	3	-	10	-	-	2	1	-	-	-	5
CARBON	102	7	-	14	21	3	27	-	-	1	6	-	-	-	23
CARTER	17	-	-	4	1	-	6	-	-	-	2	-	-	-	4
CASCADE	625	45	-	38	122	5	262	-	-	3	12	-	-	-	138
CHOUTEAU	67	7	-	5	11	1	24	-	-	-	1	-	-	-	18
CUSTER	147	14	-	15	30	2	54	1	-	-	4	-	-	-	27
DANIELS	33	4	-	3	5	-	11	-	-	1	-	-	-	-	9
DAWSON	80	10	-	7	19	1	28	-	-	-	1	-	-	-	14
DEER LODGE	160	4	-	15	29	-	64	-	-	4	5	-	-	-	39
FALLON	41	4	-	4	9	-	13	-	-	-	3	-	-	-	8
FERGUS	152	5	-	15	37	3	40	1	-	-	5	-	-	-	46
FLATHEAD	394	32	-	36	86	7	128	1	-	3	11	-	-	1	89
GA LATIN	245	13	-	24	60	2	78	1	-	2	5	-	-	-	60
GARFIELD	9	-	-	3	2	-	2	-	-	-	2	-	-	-	-
GLACIER	99	8	-	5	23	2	25	-	-	2	2	-	-	1	31
GOLDEN VALLEY	7	1	-	1	1	-	2	-	-	-	-	-	-	-	2
GRANITE	41	1	-	2	10	1	14	-	-	-	-	-	-	1	12
HILL	144	19	-	5	29	2	47	-	-	1	7	-	-	-	35
JEFFERSON	59	2	-	6	9	2	11	-	-	1	5	-	-	-	23
JUDITH BASIN	23	2	-	3	4	-	7	-	-	-	1	-	-	-	6
LAKE	179	28	-	12	34	5	68	-	-	-	3	-	-	-	29
LEWIS & CLARK	335	28	-	21	76	7	108	-	-	6	5	-	-	1	83
LIBERTY	20	1	-	1	4	1	9	-	-	-	-	-	-	-	4
LINCOLN	114	15	-	9	21	2	36	-	-	-	2	-	-	-	29
MCCONE	22	2	-	4	6	-	5	-	-	-	-	-	-	-	5
MADISON	75	11	-	8	8	1	22	-	-	1	1	-	-	-	23
MEAGHER	23	2	-	1	4	-	8	-	-	1	-	-	-	-	7
MINERAL	24	1	-	4	7	-	7	-	-	-	-	-	-	-	5
MISSOULA	486	46	-	42	88	9	155	1	2	9	14	-	-	1	119
MUSSELSHELL	53	7	-	5	9	-	16	-	-	1	1	-	-	-	14
PARK	125	2	-	12	23	1	50	-	1	-	5	-	-	-	31
PETROLEUM	5	1	-	1	-	-	1	-	-	-	-	-	-	-	2
PHILLIPS	58	6	-	4	11	1	25	1	-	-	-	-	-	-	10
PONDERA	73	6	-	7	19	3	20	-	-	1	1	-	-	-	16
POWDER RIVER	18	-	-	1	8	-	5	-	-	-	1	-	-	-	3
POWELL	79	1	-	4	16	2	33	1	-	-	1	-	-	-	21
PRAIRIE	18	1	-	1	3	1	7	-	-	-	-	-	-	-	5
RAVALLI	203	16	-	16	40	1	81	-	1	3	6	-	-	-	39
RICHLAND	101	13	-	5	26	1	29	-	-	1	2	-	-	-	24
ROOSEVELT	127	22	-	8	22	2	29	-	-	-	3	-	-	-	41
ROSEBUD	73	10	-	7	11	1	19	-	-	2	-	-	-	1	22
SANDERS	83	12	-	8	13	-	28	-	-	-	-	-	-	-	22
SHERIDAN	50	2	-	5	8	-	19	-	1	1	4	-	-	-	10
SILVER BOW	466	28	-	36	88	5	177	-	1	7	16	-	-	1	108
STILLWATER	73	7	-	8	17	2	23	1	1	-	-	-	-	-	14
SWEET GRASS	32	1	-	7	3	-	9	-	-	-	-	-	-	-	12
TETON	63	6	-	4	14	3	20	-	-	1	-	-	-	-	15
TOOLE	50	4	-	1	7	1	21	-	-	1	6	-	-	-	9
TREASURE	9	-	-	1	-	1	2	-	-	-	1	-	-	-	4
VALLEY	87	12	-	3	21	-	18	1	-	4	1	-	-	-	27
WHEATLAND	34	1	-	4	11	1	10	-	-	-	-	-	-	-	7
WIBAUX	16	2	-	-	4	-	6	-	-	-	2	-	-	-	2
YELLOWSTONE	788	51	-	68	163	10	273	-	1	10	16	-	1	-	195

TABLE 13

INFANT MORTALITY BY RACE AND AGE GROUP AND FIVE-YEAR INFANT MORTALITY RATES

MONTANA COUNTIES, 1981
BY PLACE OF RESIDENCE

COUNTY	TOTAL UNDER 1 YEAR			UNDER 28 DAYS			1-11 MONTHS			INFANT MORTALITY RATE* 1977-1981
	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	
MONTANA, TOTAL	153	127	26	90	82	8	63	45	18	11.8
BEAVERHEAD	3	3	-	1	1	-	2	2	-	14.9
BIG HORN	3	1	2	2	1	1	1	-	1	16.9
BLAINE	1	-	1	-	-	-	1	-	1	14.7
BROADWATER	-	-	-	-	-	-	-	-	-	15.5
CARBON	2	2	-	1	1	-	1	1	-	13.8
CARTER	-	-	-	-	-	-	-	-	-	8.7
CASCADE	20	12	8	6	4	2	14	8	6	13.1
CHOUTEAU	1	1	-	1	1	-	-	-	-	13.5
CUSTER	1	1	-	-	-	-	1	1	-	8.9
DANIELS	1	1	-	-	-	-	1	1	-	8.3
DAWSON	3	2	1	2	1	1	1	1	-	10.6
DEER LODGE	-	-	-	-	-	-	-	-	-	10.2
FALLON	3	3	-	3	3	-	-	-	-	13.4
FERGUS	3	3	-	3	3	-	-	-	-	10.3
FLATHEAD	11	11	-	8	8	-	3	3	-	13.0
GALLATIN	4	4	-	3	3	-	1	1	-	8.4
GARFIELD	-	-	-	-	-	-	-	-	-	0.0
GLACIER	5	3	2	2	1	1	3	2	1	19.6
GOLDEN VALLEY	-	-	-	-	-	-	-	-	-	13.3
GRANITE	1	1	-	1	1	-	-	-	-	14.3
HILL	3	-	3	-	-	-	3	-	3	8.4
JEFFERSON	3	3	-	2	2	-	1	1	-	20.1
JUDITH BASIN	-	-	-	-	-	-	-	-	-	0.0
LAKE	1	1	-	1	1	-	-	-	-	10.9
LEWIS & CLARK	4	3	1	2	2	-	2	1	1	7.1
LIBERTY	1	1	-	1	1	-	-	-	-	4.0
LINCOLN	3	3	-	2	2	-	1	1	-	8.7
MCCONE	1	1	-	1	1	-	-	-	-	15.2
MADISON	1	1	-	1	1	-	-	-	-	7.1
MEAGHER	-	-	-	-	-	-	-	-	-	11.7
MINERAL	-	-	-	-	-	-	-	-	-	5.4
MISSOULA	12	12	-	7	7	-	5	5	-	10.9
MUSSELSHELL	1	1	-	1	1	-	-	-	-	10.4
PARK	2	2	-	2	2	-	-	-	-	7.9
PETROLEUM	-	-	-	-	-	-	-	-	-	0.0
PHILLIPS	2	2	-	2	2	-	-	-	-	15.8
PONDERA	1	-	1	1	-	1	-	-	-	15.9
POWDER RIVER	-	-	-	-	-	-	-	-	-	8.3
POWELL	1	1	-	1	1	-	-	-	-	7.3
PRAIRIE	-	-	-	-	-	-	-	-	-	0.0
RAVALLI	3	3	-	-	-	-	3	3	-	11.7
RICHLAND	5	4	1	4	4	-	1	-	1	15.3
ROOSEVELT	2	-	2	1	-	1	1	-	1	14.7
ROSEBUD	3	1	2	1	-	1	2	1	1	17.8
SANDERS	3	3	-	1	1	-	2	2	-	11.9
SHERIDAN	3	3	-	-	-	-	3	3	-	14.5
SILVER BOW	12	11	1	10	10	-	2	1	1	15.5
STILLWATER	1	1	-	1	1	-	-	-	-	9.4
SWEET GRASS	-	-	-	-	-	-	-	-	-	8.0
TETON	1	1	-	-	-	-	1	1	-	13.4
TOOLE	-	-	-	-	-	-	-	-	-	5.8
TREASURE	-	-	-	-	-	-	-	-	-	12.7
VALLEY	1	-	1	-	-	-	1	-	1	12.0
WHEATLAND	-	-	-	-	-	-	-	-	-	22.0
WIBAUX	-	-	-	-	-	-	-	-	-	15.4
YELLOWSTONE	21	21	-	15	15	-	6	6	-	11.4

* NUMBER OF DEATHS UNDER ONE YEAR OF AGE PER 1,000 LIVE BIRTHS.

TABLE 14

INFANT MORTALITY FROM SELECTED CAUSES BY AGE GROUP

MONTANA, 1981

EXCLUSIVE OF FETAL DEATHS, BY PLACE OF RESIDENCE

NINTH REVISION INTERNATIONAL LIST NUMBER	CAUSE OF DEATH	TOTAL UNDER 1 YEAR			UNDER 28 DAYS			1-11 MONTHS		
		TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER
	TOTAL, ALL CAUSES.	153	127	26	90	82	8	63	45	18
	PRENATAL AND NATAL CAUSES, TOTAL .	97	87	10	86	78	8	11	9	2
740-759	CONGENITAL ANOMALIES	23	21	2	14	13	1	9	8	1
760-761, 763-764	MATERNAL CONDITIONS OF PREGNANCY AND CHILDBIRTH. . . .	7	6	1	7	6	1	-	-	-
762	COMPLICATIONS OF PLACENTA, CORD AND MEMBRANES.	6	6	-	6	6	-	-	-	-
765	IMMATURITY	6	6	-	6	6	-	-	-	-
767	BIRTH TRAUMA	2	1	1	2	1	1	-	-	-
768	HYPOXIA AND BIRTH ASPHYXIA . . .	7	4	3	6	4	2	1	-	1
769	RESPIRATORY DISTRESS SYNDROME. .	13	13	-	12	12	-	1	1	-
771	INFECTIONS SPECIFIC TO PERINATAL PERIOD.	7	5	2	7	5	2	-	-	-
772	FETAL AND NEONATAL HEMORRHAGE. .	2	2	-	2	2	-	-	-	-
766,770 773-779	OTHER CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	24	23	1	24	23	1	-	-	-
7980	SUDDEN INFANT DEATH SYNDROME, TOTAL	37	25	12	1	1	-	36	24	12
	INFECTIONS, TOTAL.	3	2	1	-	-	-	3	2	1
008-009,535, 555-558	CERTAIN GASTROINTESTINAL DISEASES.	-	-	-	-	-	-	-	-	-
480-487	PNEUMONIA AND INFLUENZA.	3	2	1	-	-	-	3	2	1
	VIOLENT AND ACCIDENTAL DEATHS, TOTAL	5	4	1	-	-	-	5	4	1
810-825	MOTOR VEHICAL ACCIDENTS.	-	-	-	-	-	-	-	-	-
911-913	SUFFOCATION.	2	2	-	-	-	-	2	2	-
800-807,826-910 914-949,960-969 980-989	OTHER VIOLENT AND ACCIDENTAL DEATHS	3	2	1	-	-	-	3	2	1
	ALL OTHER CAUSES	11	9	2	3	3	-	8	6	2

TABLE 15

COMMUNICABLE DISEASE HISTORICAL MORTALITY STATISTICS

MONTANA, 1910-1981

YEAR	BOTULISM(1)		DIPHTHERIA		INFLUENZA		MEASLES		MENINGOCOCCAL INFECTION	
	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*
1910	-	0.0	61	16.2	24	6.4	16	4.3	1	0.3
1915	5	1.1	21	4.5	41	8.8	7	1.5	7	1.5
1920	4	0.7	32	5.8	304	55.4	27	4.9	15	2.7
1925	6	1.1	34	6.3	109	20.1	5	0.9	5	0.9
1930	7	1.3	4	0.7	102	19.0	12	2.2	22	4.1
1931	4	0.7	7	1.3	152	28.1	3	0.6	13	2.4
1932	3	0.6	2	0.4	190	35.0	12	2.2	5	0.9
1933	9	1.7	17	3.1	173	31.8	15	2.8	3	0.6
1934	3	0.5	10	1.8	122	22.3	30	5.5	7	1.3
1935	3	0.5	14	2.5	173	31.5	49	8.9	15	2.7
1936	2	0.4	10	1.8	101	18.3	3	0.5	23	4.2
1937	5	0.9	10	1.8	244	44.1	2	0.4	7	1.3
1938	2	0.4	9	1.6	81	14.6	12	2.2	9	1.6
1939	3	0.5	3	0.5	99	17.7	16	2.9	4	0.7
1940	2	0.4	6	1.1	77	13.8	5	0.9	6	1.1
1941	2	0.4	13	2.5	90	17.0	1	0.2	5	0.9
1942	2	0.4	5	1.0	26	5.2	-	0.0	7	1.4
1943	1	0.2	5	1.1	58	12.3	6	1.3	5	1.1
1944	1	0.2	6	1.2	50	10.3	13	2.7	3	0.6
1945	1	0.2	4	0.8	47	9.3	1	0.2	3	0.6
1946	1	0.2	5	1.0	25	4.8	3	0.6	3	0.6
1947	1	0.2	2	0.4	33	6.1	13	2.4	3	0.6
1948	3	0.5	3	0.5	13	2.3	12	2.2	1	0.2
1949	2	0.3	3	0.5	13	2.3	3	0.5	3	0.5
1950	-	0.0	2	0.3	23	3.9	-	0.0	1	0.2
1951	2	0.3	-	0.0	30	5.0	9	1.5	5	0.8
1952	-	0.0	1	0.2	22	3.7	4	0.7	4	0.7
1953	-	0.0	3	0.5	59	9.6	4	0.6	2	0.3
1954	-	0.0	3	0.5	6	1.0	5	0.8	6	1.0
1955	-	0.0	1	0.2	12	1.9	4	0.6	5	0.8
1956	-	0.0	1	0.2	4	0.6	1	0.2	7	1.1
1957	-	0.0	1	0.1	25	3.7	3	0.4	3	0.4
1958	-	0.0	-	0.0	14	2.1	2	0.3	4	0.6
1959	-	0.0	-	0.0	15	2.2	5	0.7	3	0.4
1960	-	0.0	-	0.0	37	5.5	1	0.1	3	0.4
1961	-	0.0	-	0.0	8	1.2	1	0.1	1	0.1
1962	-	0.0	-	0.0	12	1.7	-	0.0	4	0.6
1963	-	0.0	-	0.0	31	4.4	-	0.0	3	0.4
1964	1	0.1	-	0.0	29	4.1	2	0.3	2	0.3
1965	-	0.0	-	0.0	5	0.7	-	0.0	3	0.4
1966	1	0.1	-	0.0	49	7.0	-	0.0	2	0.3
1967	-	0.0	-	0.0	3	0.4	-	0.0	2	0.3
1968	-	0.0	-	0.0	30	4.3	-	0.0	2	0.3
1969	-	0.0	-	0.0	38	5.5	2	0.3	2	0.3
1970	-	0.0	2	0.3	8	1.2	-	0.0	1	0.1
1971	-	0.0	-	0.0	9	1.3	2	0.3	2	0.3
1972	-	0.0	-	0.0	15	2.1	-	0.0	2	0.3
1973	-	0.0	-	0.0	43	6.0	-	0.0	2	0.3
1974	-	0.0	-	0.0	11	1.5	-	0.0	1	0.1
1975	-	0.0	-	0.0	17	2.3	-	0.0	-	0.0
1976	-	0.0	-	0.0	95	12.6	-	0.0	-	0.0
1977	-	0.0	-	0.0	9	1.2	-	0.0	2	0.3
1978	-	0.0	-	0.0	19	2.4	-	0.0	2	0.3
1979	-	0.0	-	0.0	4	0.5	-	0.0	4	0.5
1980	-	0.0	-	0.0	24	3.1	-	0.0	-	0.0
1981	1	0.1	-	0.0	10	1.3	-	0.0	1	0.1

(1) PRIOR TO 1949 THE INTERNATIONAL CLASSIFICATION OF DISEASES DID NOT PERMIT IDENTIFICATION OF BOTULISM AS SUCH. THE MORE GENERAL RUBRIC OF 'FOOD POISONING' IS REPORTED. THE DEATHS SHOWN PRIOR TO 1968 INCLUDE THOSE ASSIGNED TO 'FOOD POISONING UNSPECIFIED'.

* DEATHS PER 100,000 ESTIMATED MIDYEAR POPULATION

DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. DATA SINCE 1946 ARE BY PLACE OF RESIDENCE.

TABLE 15, CONTINUED

COMMUNICABLE DISEASE HISTORICAL MORTALITY STATISTICS

MONTANA, 1910-1981, CONTINUED

YEAR	POLIOMYELITIS		ROCKY MOUNTAIN SPOTTED FEVER(2)		TUBERCULOSIS		TYPHOID FEVER		WHOOPING COUGH	
	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*
1910	17	4.5	---	0.0	340	90.4	151	40.2	41	10.9
1915	1	0.2	8	1.7	530	113.2	57	12.2	36	7.7
1920	5	0.9	7	1.3	419	76.4	27	4.9	51	9.3
1925	6	1.1	11	2.0	396	73.0	24	4.4	63	11.6
1930	6	1.1	9	1.7	337	62.7	16	3.0	16	3.0
1931	15	2.8	7	1.3	329	60.9	12	2.2	46	8.5
1932	4	0.7	17	3.1	307	56.6	13	2.4	22	4.1
1933	2	0.4	18	3.3	282	51.8	14	2.6	15	2.8
1934	14	2.6	8	1.5	265	48.5	17	3.1	24	4.4
1935	1	0.2	21	3.8	257	46.8	12	2.2	22	4.0
1936	5	0.9	16	2.9	221	40.1	8	1.5	16	2.9
1937	6	1.1	4	0.7	241	43.5	11	2.0	14	2.5
1938	3	0.5	3	0.5	241	43.4	5	0.9	47	8.5
1939	1	0.2	5	0.9	248	44.5	1	0.2	16	2.9
1940	7	1.3	7	1.3	231	41.3	3	0.5	5	0.9
1941	9	1.7	19	3.6	214	40.4	2	0.4	6	1.1
1942	-	0.0	13	2.6	201	40.2	1	0.2	12	2.4
1943	10	2.1	9	1.9	206	43.8	4	0.9	18	3.8
1944	6	1.2	4	0.8	175	35.9	1	0.2	10	2.1
1945	10	2.0	1	0.2	171	33.9	2	0.4	2	0.4
1946	5	1.0	5	1.0	164	31.4	2	0.4	2	0.4
1947	4	0.7	1	0.2	152	28.2	1	0.2	6	1.1
1948	6	1.1	1	0.2	146	26.2	-	0.0	6	1.1
1949	13	2.3	-	0.0	109	19.0	1	0.2	2	0.3
1950	3	0.5	1	0.2	114	19.3	-	0.0	10	1.7
1951	6	1.0	-	0.0	85	14.3	1	0.2	1	0.2
1952	8	1.3	1	0.2	79	13.1	1	0.2	1	0.2
1953	14	2.3	-	0.0	77	12.5	-	0.0	4	0.6
1954	9	1.4	-	0.0	62	9.9	-	0.0	1	0.2
1955	8	1.3	-	0.0	50	7.9	-	0.0	1	0.2
1956	-	0.0	-	0.0	48	7.3	-	0.0	1	0.2
1957	2	0.3	-	0.0	68	10.2	-	0.0	2	0.3
1958	5	0.8	-	0.0	45	6.8	-	0.0	-	0.0
1959	2	0.3	-	0.0	37	5.5	-	0.0	-	0.0
1960	7	1.0	1	0.1	31	4.6	-	0.0	1	0.1
1961	1	0.1	-	0.0	24	3.5	1	0.1	-	0.0
1962	-	0.0	-	0.0	32	4.5	-	0.0	-	0.0
1963	-	0.0	-	0.0	27	3.8	-	0.0	-	0.0
1964	-	0.0	-	0.0	28	4.0	1	0.1	-	0.0
1965	-	0.0	-	0.0	22	3.1	-	0.0	-	0.0
1966	-	0.0	-	0.0	21	3.0	-	0.0	-	0.0
1967	-	0.0	-	0.0	17	2.4	-	0.0	-	0.0
1968	1	0.1	-	0.0	15	2.2	-	0.0	-	0.0
1969	-	0.0	-	0.0	16	2.3	-	0.0	-	0.0
1970	-	0.0	-	0.0	12	1.7	-	0.0	-	0.0
1971	1	0.1	-	0.0	10	1.4	-	0.0	1	0.1
1972	-	0.0	-	0.0	11	1.5	-	0.0	-	0.0
1973	-	0.0	-	0.0	13	1.8	-	0.0	-	0.0
1974	1	0.1	-	0.0	17	2.3	-	0.0	-	0.0
1975	1	0.1	1	0.1	13	1.7	-	0.0	-	0.0
1976	-	0.0	-	0.0	9	1.2	-	0.0	-	0.0
1977	-	0.0	-	0.0	4	0.5	-	0.0	-	0.0
1978	1	0.1	-	0.0	11	1.4	-	0.0	-	0.0
1979	-	0.0	-	0.0	5	0.6	-	0.0	-	0.0
1980	-	0.0	-	0.0	6	0.8	-	0.0	-	0.0
1981	-	0.0	-	0.0	7	0.9	-	0.0	-	0.0

(2) DEATHS FROM ROCKY MOUNTAIN SPOTTED FEVER FOR THE YEARS 1915-1920 ARE COURTESY OF ROBERT PHILLIPS, PH.D. (RETIRED), ROCKY MOUNTAIN LABORATORY, HAMILTON.

* DEATHS PER 100,000 ESTIMATED MIDYEAR POPULATION

DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. DATA SINCE 1946 ARE BY PLACE OF RESIDENCE.

TABLE 16

SELECTED CAUSE-SPECIFIC DEATH RATES

MONTANA, 1910-1981

YEAR	ACCIDENTS						ALCOHOLISM		CANCER	
	TOTAL		MOTOR VEHICLE		OTHER					
	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*
1910	514	136.7	5	1.3	509	135.4	56	14.9	157	41.7
1915	556	118.8	31	6.6	525	112.2	66	14.1	223	47.6
1920	473	86.3	45	8.2	428	78.1	10	1.8	282	51.4
1925	505	93.0	98	18.1	407	75.0	41	7.6	379	69.8
1930	498	92.6	106	19.7	392	72.9	69	12.8	424	78.9
1931	510	94.4	127	23.5	383	70.9	33	6.1	420	77.7
1932	442	81.5	98	18.1	344	63.4	15	2.8	513	94.6
1933	508	93.3	119	21.8	389	71.4	24	4.4	508	93.3
1934	576	105.3	209	28.2	367	67.1	20	3.7	477	87.2
1935	552	100.5	161	29.3	391	71.2	14	2.5	528	96.2
1936	660	119.7	174	31.6	486	88.2	25	4.5	567	102.9
1937	599	108.2	177	32.0	422	76.2	32	5.8	566	102.3
1938	587	105.6	143	25.7	444	79.9	27	4.9	557	100.2
1939	531	95.2	149	26.7	382	68.5	23	4.1	643	115.3
1940	539	96.3	154	27.5	385	68.8	41	7.3	640	114.4
1941	548	103.4	182	34.3	366	69.1	19	3.6	644	121.5
1942	468	93.6	105	21.0	363	72.6	16	3.2	643	128.6
1943	580	123.4	87	18.5	493	104.9	12	2.6	613	130.4
1944	494	101.4	106	21.8	388	79.6	7	1.4	681	139.7
1945	498	98.7	118	23.4	380	75.3	13	2.6	658	130.4
1946	517	99.1	166	31.8	351	67.3	15	2.9	662	126.8
1947	537	99.6	157	29.1	380	70.5	19	3.5	712	132.0
1948	575	103.3	165	29.6	410	73.7	14	2.5	724	130.1
1949	552	96.2	152	26.5	400	69.7	17	3.0	729	127.0
1950	545	92.2	190	32.1	355	60.1	14	2.4	733	124.0
1951	525	88.1	187	31.4	338	56.7	17	2.9	726	121.8
1952	564	93.7	235	39.0	329	54.7	13	2.2	798	132.6
1953	534	86.7	228	37.0	306	49.7	17	2.8	809	131.3
1954	531	85.1	219	35.1	312	50.0	19	3.0	871	139.6
1955	549	86.3	239	37.6	310	48.7	28	4.4	829	130.3
1956	574	87.5	265	40.4	309	47.1	22	3.4	931	141.9
1957	541	81.1	219	32.8	322	48.3	20	3.0	873	130.9
1958	497	74.6	206	30.9	291	43.7	18	2.7	838	125.8
1959	565	84.4	258	38.6	307	45.9	15	2.2	920	137.5
1960	510	75.6	226	33.5	284	42.1	13	1.9	958	142.0
1961	518	76.0	270	39.6	248	36.4	18	2.6	965	141.5
1962	550	77.6	232	32.7	318	44.9	19	2.7	911	128.5
1963	517	73.1	218	30.8	299	42.3	12	1.7	896	126.7
1964	648	91.9	250	35.5	398	56.5	13	1.8	986	139.9
1965	591	83.7	268	38.0	323	45.8	14	2.0	933	132.2
1966	560	79.8	265	37.7	295	42.0	24	3.4	969	138.0
1967	607	86.6	318	45.4	289	41.2	12	1.7	1,004	143.2
1968	535	77.2	262	37.8	273	39.4	29	4.2	1,080	155.8
1969	635	91.5	329	47.4	306	44.1	10	1.4	1,041	150.0
1970	571	82.2	290	41.8	281	40.5	25	3.6	1,059	152.5
1971	609	85.8	310	43.7	299	42.1	19	2.7	1,050	147.9
1972	635	88.3	360	50.1	275	38.2	17	2.4	1,122	156.1
1973	611	84.7	324	44.9	287	39.8	20	2.8	1,061	147.2
1974	559	76.1	272	37.0	287	39.0	14	1.9	1,130	153.7
1975	584	78.1	282	37.7	302	40.4	28	3.7	1,105	147.7
1976	579	76.9	291	38.6	288	38.2	23	3.1	1,191	158.2
1977	574	75.4	302	39.7	272	35.7	25	3.3	1,184	155.6
1978	558	71.1	276	35.2	282	35.9	23	2.9	1,233	157.1
1979	596	75.8	313	39.8	283	36.0	22	2.8	1,240	157.8
1980	570	72.5	311	39.5	259	32.9	25	3.2	1,291	164.1
1981	553	69.7	308	38.8	245	30.9	32	4.0	1,343	169.4

* DEATHS PER 100,000 ESTIMATED MIDYEAR POPULATION

DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. DATA SINCE 1946 ARE BY PLACE OF RESIDENCE.

TABLE 16, CONTINUED

SELECTED CAUSE-SPECIFIC DEATH RATES

MONTANA, 1910-1981, CONTINUED

YEAR	DIABETES		HEART DISEASE		HOMICIDE		NEPHRITIS		PNEUMONIA		SUICIDE	
	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*
1910	38	10.1	257	68.3	37	9.8	222	59.0	282	75.0	81	21.5
1915	65	13.9	407	87.0	53	11.3	339	72.4	511	109.2	103	22.0
1920	60	10.9	428	78.1	46	8.4	273	49.8	576	105.0	86	15.7
1925	64	11.8	672	123.8	51	9.4	301	55.4	437	80.5	102	18.8
1930	87	16.2	759	141.2	57	10.6	395	73.5	425	79.1	136	25.3
1931	83	15.4	915	169.3	39	7.2	336	62.2	384	71.1	126	23.3
1932	87	16.0	1,065	196.3	45	8.3	348	64.1	348	64.1	125	23.0
1933	91	16.7	1,087	199.6	30	5.5	315	57.8	321	58.9	114	20.9
1934	119	21.8	1,117	204.2	39	7.1	350	64.0	416	76.1	104	19.0
1935	112	20.4	1,299	236.6	34	6.2	355	64.7	674	122.8	96	17.5
1936	125	22.7	1,248	226.4	26	4.7	347	62.9	631	114.5	102	18.5
1937	118	21.3	1,395	252.1	27	4.9	305	55.1	528	95.4	101	18.2
1938	118	21.2	1,308	235.4	26	4.7	314	56.5	355	63.9	103	18.5
1939	112	20.1	1,486	266.4	27	4.8	327	58.6	310	55.6	106	19.0
1940	109	19.5	1,447	258.6	29	5.2	295	52.7	321	57.4	120	21.4
1941	110	20.8	1,485	280.2	18	3.4	272	51.3	262	49.4	93	17.5
1942	108	21.6	1,577	315.4	17	3.4	284	56.8	235	47.0	98	19.6
1943	116	24.7	1,564	332.7	15	3.2	271	57.7	248	52.8	68	14.5
1944	126	25.9	1,660	340.7	13	2.7	292	59.9	250	51.3	53	10.9
1945	129	25.6	1,603	317.7	19	3.8	279	55.3	196	38.8	79	15.7
1946	137	26.3	1,629	312.1	22	4.2	276	52.9	235	45.0	98	18.8
1947	130	24.1	1,690	313.4	14	2.6	266	49.3	223	41.4	96	17.8
1948	118	21.2	1,803	324.0	15	2.7	247	44.4	189	34.0	88	15.8
1949	102	17.8	2,002	348.9	21	3.7	129	22.5	144	25.1	89	15.5
1950	49	8.3	1,957	331.1	24	4.1	80	13.5	157	26.6	123	20.8
1951	58	9.7	2,159	362.2	15	2.5	85	14.3	121	20.3	85	14.3
1952	83	13.8	2,032	337.5	17	2.8	120	19.9	147	24.4	84	14.0
1953	73	11.9	2,164	351.3	23	3.7	77	12.5	180	29.2	106	17.2
1954	95	15.2	2,128	341.0	29	4.6	90	14.4	179	28.7	104	16.7
1955	108	17.0	2,116	332.7	21	3.3	94	14.8	155	24.4	79	12.4
1956	98	14.9	2,165	330.0	32	4.9	83	12.7	211	32.2	98	14.9
1957	118	17.7	2,290	343.3	23	3.4	71	10.6	249	37.3	105	15.7
1958	109	16.4	2,244	336.9	17	2.6	53	8.0	260	39.0	101	15.2
1959	123	18.4	2,382	356.0	29	4.3	58	8.7	231	34.5	97	14.5
1960	102	15.1	2,332	345.6	25	3.7	51	7.6	227	33.6	107	15.9
1961	117	17.2	2,269	332.7	21	3.1	41	6.0	219	32.1	96	14.1
1962	121	17.1	2,204	310.9	21	3.0	63	8.9	195	27.5	110	15.5
1963	125	17.7	2,340	331.0	22	3.1	42	5.9	218	30.8	115	16.3
1964	139	19.7	2,368	335.9	30	4.3	45	6.4	226	32.1	80	11.3
1965	114	16.1	2,297	325.4	20	2.8	35	5.0	198	28.0	94	13.3
1966	106	15.1	2,415	344.0	23	3.3	42	6.0	230	32.8	96	13.7
1967	143	20.4	2,297	327.7	31	4.4	38	5.4	196	28.0	100	14.3
1968	119	17.2	2,223	320.8	25	3.6	20	2.9	213	30.7	97	14.0
1969	117	16.9	2,297	331.0	31	4.5	21	3.0	201	29.0	91	13.1
1970	111	16.0	2,229	321.0	30	4.3	26	3.7	213	30.7	79	11.4
1971	120	16.9	2,339	329.4	43	6.1	19	2.7	210	29.6	117	16.5
1972	135	18.8	2,294	319.1	32	4.5	17	2.4	220	30.6	87	12.1
1973	126	17.5	2,300	319.0	46	6.4	27	3.7	236	32.7	108	15.0
1974	103	14.0	2,202	299.6	44	6.0	20	2.7	192	26.1	122	16.6
1975	122	16.3	2,178	291.2	42	5.6	19	2.5	185	24.7	112	15.0
1976	100	13.3	2,178	289.2	38	5.0	17	2.3	207	27.5	129	17.1
1977	89	11.7	2,149	282.4	53	7.0	24	3.2	144	18.9	143	18.8
1978	114	14.5	2,169	276.3	40	5.1	20	2.5	199	25.4	122	15.5
1979	94	12.0	2,302	292.9	39	5.0	46	5.9	143	18.2	123	15.6
1980	103	13.1	2,332	296.4	40	5.1	43	5.5	169	21.5	116	14.7
1981	95	12.0	2,279	287.4	47	5.9	70	8.8	171	21.6	137	17.3

* DEATHS PER 100,000 ESTIMATED MIDYEAR POPULATION

DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. DATA SINCE 1946 ARE BY PLACE OF RESIDENCE.

ABORTIONS

AGE

LENGTH OF GESTATION

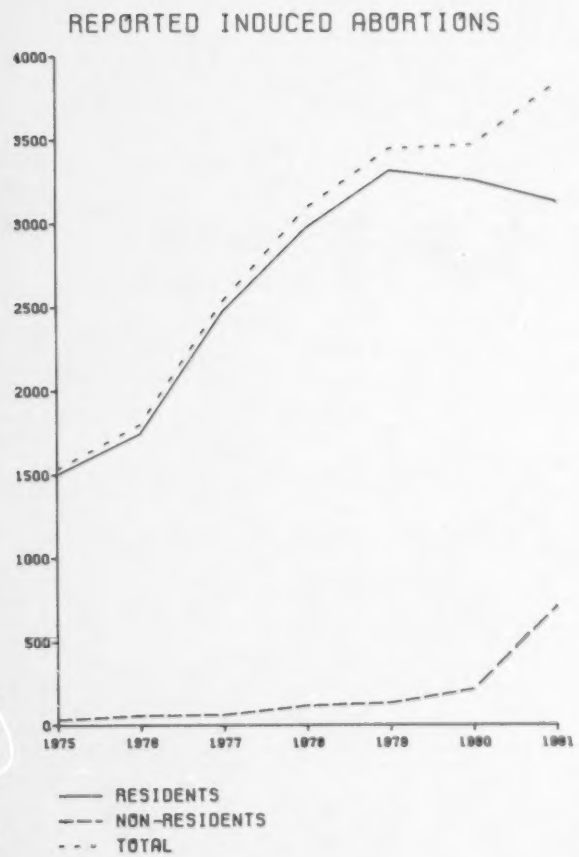
MARITAL STATUS

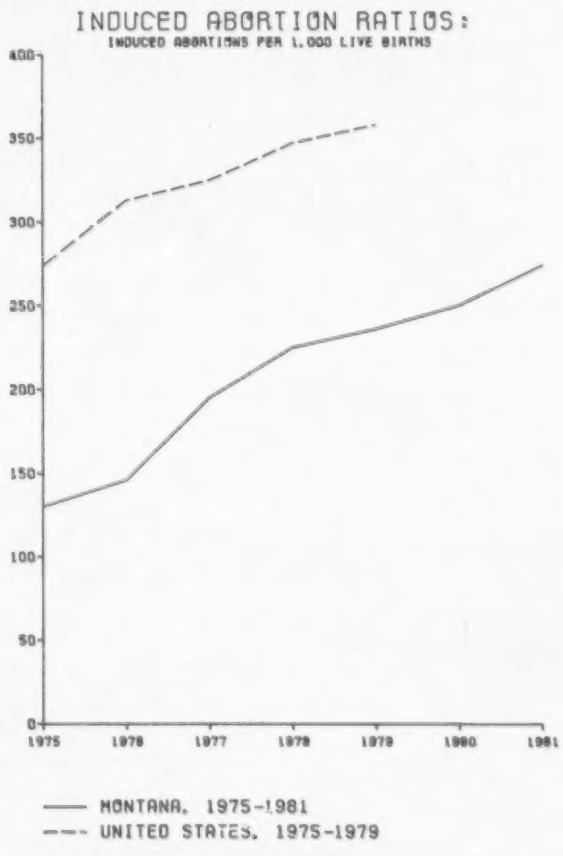
PROCEDURE

COUNTY OF RESIDENCE

ABORTIONS

Induced abortions have been legal, reportable events in Montana since July 1, 1974. Each year there has been an increase in the number of reported induced abortions. The number of reported induced abortions for 1981 was 3,838, an increase of 367 over 1980. This increase is interesting when one looks at the county of residence of the woman. The number of Montana residents having abortions in Montana has declined the last two years. The number of out-of-state residents coming to Montana for abortions has accounted for the continuing total increase in numbers of abortions. In 1980, 50 Canadian residents came to Montana for induced abortions, while 438 came in 1981. For the same years, the number of Wyoming residents coming to Montana for abortions increased from 85 to 189.





In 1981 there were 13,999 live births in the state for a ratio of 274 abortions per 1,000 live births. The national abortion ratio has consistently been higher than Montana's since state statistics have been available for comparison. Some of this difference may be offset by the number of Montana women who travel out of state for abortions.

The composite woman having an abortion in Montana in 1981 was 23 years old, white, and single. This was her first abortion, and suction curettage terminated the pregnancy with no complications.

Gestation

Statistics on the gestational age of the fetus are gathered in two ways. The method most commonly used is computed from the date of last menses. This method works well except when the date is unknown, or the woman has irregular menses. Using this computed method some gestations are unrealistically long (e.g., date of last menses was two years ago when the woman had a child), or unknown. Another method to determine gestational age is based on the physician's evaluation of the fetus and is independent of the interval between the last normal menses and the abortion.

INDUCED ABORTIONS BY PHYSICIAN'S ESTIMATE OF GESTATION (WEEKS): MONTANA, 1981

Weeks of Gestation	Abortions
Total	3,838
8 or less	2,256
9	596
10	454
11	210
12	165
13	40
14	34
15	10
16	33
17	6
18	22
19	9
20	1
21+	2

INDUCED ABORTIONS BY COMPLETED WEEKS OF GESTATION*: MONTANA, 1981

Weeks of Gestation	Abortions
Total	3,838
8 or less	1,306
9	828
10	629
11	426
12	261
13	113
14	61
15	31
16	27
17	10
18	11
19	12
20	7
21+	10
Unknown	106

* Calculated from first day of last menstrual period.

Marital Status

Sixty-five percent of the women having abortions in 1981 were single (never married), twenty-two percent were married (including those women stating their status as "separated"), 9.4 percent were divorced, and less than one-half of one percent were widows. Those women refusing to reveal their marital status accounted for 3.5 percent.

Age

Since most abortions involve single (never married) women, it is not surprising that most abortions involve women who are in their late teens or twenties. Eighty-six percent of the reported legally-induced abortions in 1981 involved women between 15 and 29 years of age.

INDUCED ABORTIONS BY FIVE-YEAR AGE GROUPS AND MARITAL STATUS: MONTANA, 1981

		AGE GROUP							
Marital Status	Total	15	15-19	20-24	25-29	30-34	35-39	40-44	45+
Total	3,838	18	1,050	1,427	819	359	123	35	7
Single	2,500	17	941	1,042	372	107	17	2	2
Married	738	-	30	198	250	140	67	28	5
Widowed	14	-	1	3	4	4	2	-	-
Divorced	360	-	9	103	142	74	29	3	-
Unknown	136	1	42	55	22	10	4	2	-
Separated	90	-	7	26	29	24	4	-	-

Reported induced abortions were for first abortions in 76 percent of the cases. As the length of time that abortions have been available in Montana increases, so does the number of repeat abortions.

NUMBER OF PREVIOUS INDUCED ABORTIONS BY AGE GROUP: Montana, 1981

		Previous Induced Abortions			
Age Group	Total	0	1	2	3+
Total	3,838	2,917	717	168	36
15	18	18	-	-	-
15-19	1,050	936	104	10	-
20-24	1,427	1,041	320	57	9
25-29	819	539	196	67	17
30-34	359	246	76	28	9
35-39	123	101	16	5	1
40-44	35	30	4	1	-
45+	7	6	1	-	-

While the numbers of abortions in 1981 increased by almost 2 1/2 times over the past eight years, it is interesting to note the number of reported abortions to females less than fifteen years of age has not increased, but has remained constant.

Year	Number
1975	21
1976	17
1977	19
1978	23
1979	19
1980	22
1981	18

Procedure

Suction curettage was the most used method of abortion. It was used in 97.8 percent of the reported abortions. Suction curettage was used almost exclusively in the first trimester. Prostaglandin induction was used most often in the period from 16-20 weeks.

INDUCED ABORTIONS BY TYPE OF PROCEDURE AND COMPLETED WEEK OF GESTATION: MONTANA, 1981

ABORTION PROCEDURE	Total	LENGTH OF GESTATION							
		9 OR LESS	10-11	12-13	14-15	16-17	18-19	20+	UNKN.
Total	3,838	2,134	1,055	374	92	37	23	17	106
SUCTION CURETTAGE	3,755	2,129	1,052	372	84	18	4	5	91
SHARP CURETTAGE	4	3	-	-	-	-	-	-	1
INTRA-UTERINE SALINE	1	-	-	-	-	-	-	1	-
INTRA-UTERINE PROSTAGLANDIN	45	-	2	1	2	11	14	7	8
HYSTEROTOMY	1	-	-	-	-	-	-	-	1
HYSTERECTOMY	3	-	1	-	-	-	-	-	2
OTHER	29	2	-	1	6	8	5	4	3

- QUANTITY IS ZERO

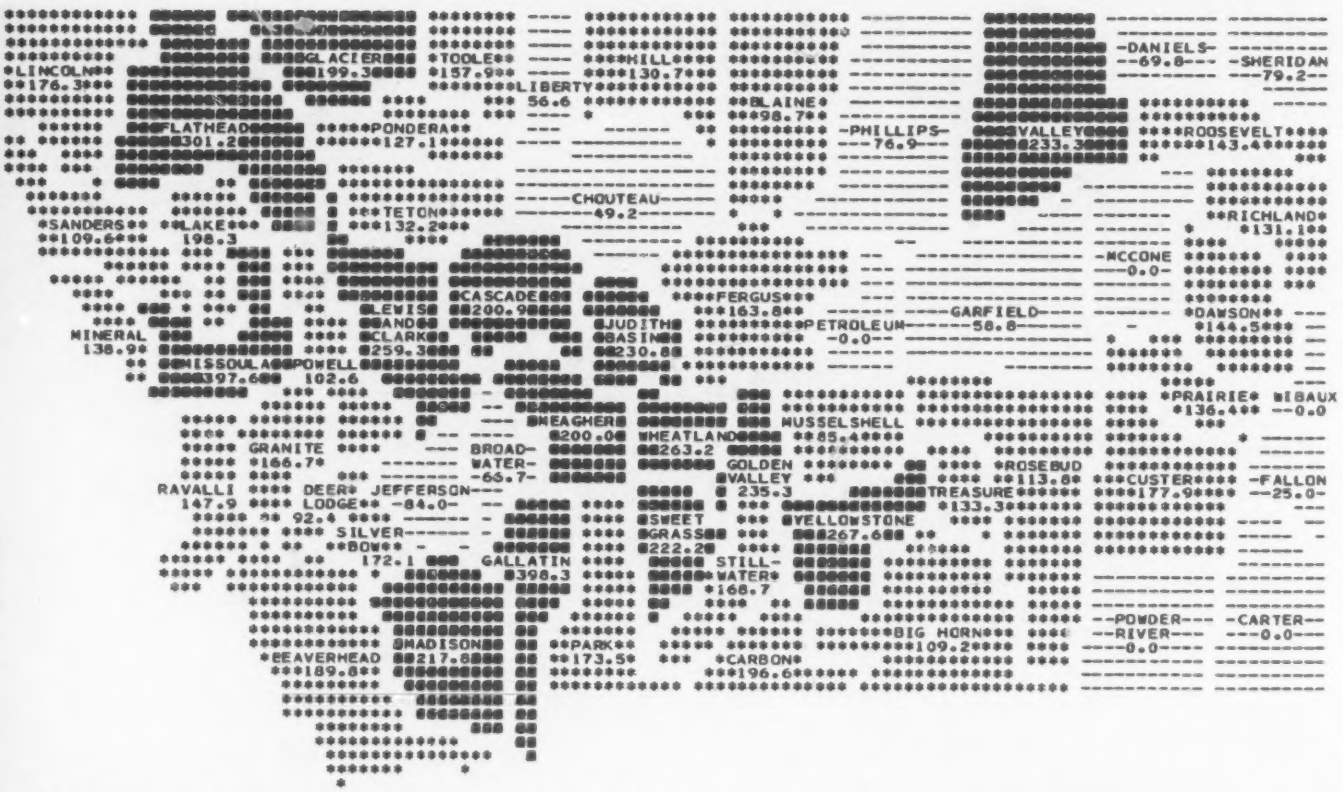
Complications

Complications were reported in 57 abortions, for a rate of 1.5 percent. Complications are difficult to report because they might occur some time after the procedure and the woman might go to another physician for medical attention. Some conditions are reported which complicate the abortion but probably were not caused by the abortion procedure. For example, gonorrhea may be reported.

No abortion-related deaths were reported for deaths occurring in Montana during 1981, either for legal or illegal abortions. No death has ever been reported in connection with legally-induced abortions performed in this state.

ABORTION RATIOS: MONTANA COUNTIES, 1981

(BY PLACE OF RESIDENCE)



NUMBER OF REPORTED INDUCED ABORTIONS PER 1,000 LIVE BIRTHS.
SOURCE: BUREAU OF RECORDS AND STATISTICS.

----	0.0 - 84.0	LOW QUARTILE
****	85.4 - 138.9	MEDIUM LOW QUARTILE
****	143.4 - 198.3	MEDIUM HIGH QUARTILE
****	199.3 - 398.3	HIGH QUARTILE

TABLE 17

Induced Abortions By Woman's Total Number of Previous Pregnancies: Montana, 1981

Total Past Pregnancies	Abortions
Total	3,838
Not Stated	1
0	1,934
1	905
2	532
3	266
4	115
5	48
6	25
7	3
8	4
9+	5

TABLE 18

Induced Abortions By Five-Year Age Groups: Montana, 1981

Woman's Age	Number
Total	3,838
Under 15	18
15-19	1,050
20-24	1,427
25-29	819
30-34	359
35-39	123
40-44	35
45+	7

TABLE 19

INDUCED ABORTIONS BY TYPE OF PROCEDURE AND COMPLETED WEEK OF GESTATION: MONTANA, 1981

ABORTION PROCEDURE	Total	LENGTH OF GESTATION							
		9 OR LESS	10-11	12-13	14-15	16-17	18-19	20+	UNKN.
Total	3,838	2,134	1,055	374	92	37	23	17	106
SUCTION CURETTAGE	3,755	2,129	1,052	372	84	18	4	5	91
SHARP CURETTAGE	4	3	-	-	-	-	-	-	1
INTRA-UTERINE SALINE	1	-	-	-	-	-	-	1	-
INTRA-UTERINE PROSTAGLANDIN	45	-	2	1	2	11	14	7	8
HYSTEROTOMY	1	-	-	-	-	-	-	-	1
HYSTERECTOMY	3	-	1	-	-	-	-	-	2
OTHER	29	2	-	1	6	8	5	4	3

- QUANTITY IS ZERO

MARRIAGE AND DIVORCE

MARRIAGES AND DIVORCES

Trend

There were 8,209 marriages performed in Montana in 1981, down 127 from 8,336 reported in 1980. The rate for 1981 was 10.4 compared with 10.6 for the previous year. Montana's marriage rates are about the same as those for the nation as a whole, which were 10.6 for both years. Montana's 1981 marriage rate, when compared to other individual states' rates, ranked 27th among the rates of the fifty states and the District of Columbia. In comparison to neighboring states Montana ranked fifth among the seven states (Idaho, Wyoming, South Dakota, Washington, Montana, North Dakota, and Oregon).

The term "divorce" is loosely used here to include all marital terminations. There were 5,004 terminations in Montana in 1981. These terminations include marital dissolutions (formerly called divorces) and invalid marriages (formerly called annulments). This number is up slightly from the 4,940 marital terminations reported in 1980. The marital termination rate for Montana historically has been higher than that for the nation and 1981 was no exception. The Montana rate was 6.3, compared with the national rate of 5.3. In 1981, Montana was among the upper one-third of the fifty states and the District of Columbia. This one-third consists predominately of the "Sun Belt" states and the states of the Pacific Northwest. In the Pacific Northwest, Washington, Oregon, Idaho, and Wyoming all have divorce rates higher than Montana.

Marriage and Divorce Rates

Meaningful marriage and divorce rates are difficult to determine. The most meaningful marriage rate would be one that compared the number of marriages to the number of single people in Montana's population, and the divorce rate should compare the number of marital terminations to the population of married people. Because such data are available only for years in which a federal census is taken, these population figures are only available in census years. As a substitute, marriage and divorce rates are calculated as the number of events per 1,000 total population.

Occurrence Versus Residence

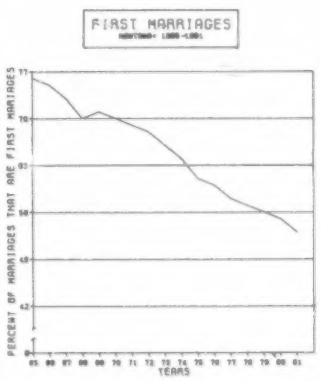
There is no general interstate exchange of marriage records so residence statistics cannot be compiled. The numbers reported indicate only that a marriage occurred in

Montana although neither of the parties may have been a resident. Because Montana has a higher marriage license fee and, in some instances, stricter requirements for marriage than surrounding states, it is probable more Montana residents leave the state to be married than the number of out-of-state residents coming to Montana to be married.

There is a limitation as to the usefulness of county data, especially concerning divorce. In 1981 there were more marriages terminated in Broadwater County than were performed there. This does not necessarily mean that married persons in Broadwater County have an unduly high risk of ending their marriage. It more probably reflects the fact that the district court which serves Broadwater County also serves Lewis and Clark County. It appears some divorces which normally would be filed in Lewis and Clark County are filed instead in Broadwater.

Marriage

First marriages are defined as those involving a first marriage for both the bride and the groom. As the incidence of divorce has increased, the proportion of marriages involving a person who has been married previously has been increasing. This is illustrated by considering first marriages as a percent of total marriages. The accompanying chart shows this information for 1965 through 1981. The proportion of first marriages has declined from over three out of four to slightly more than one out of two.

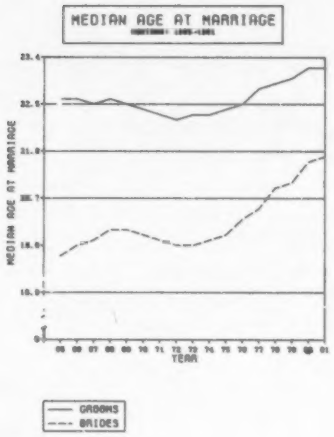


Brides and grooms tend to marry those with similar previous marital status. Most single brides marry single grooms. Most divorced brides marry divorced grooms.

Ages at Marriage and Divorce

The median age at first marriage continued to increase in 1981 for both brides and grooms. This increase began in the early 1970s and is now at a higher median age than at any time since these ages have been calculated. For brides this increase is substantial, 2.4 years; from 19.5 years in 1960 to 21.9 years in 1981. The change for grooms has been more moderate, 1.4 years. The median age at first marriage for grooms increased from 22.3 in 1960 to 23.7 in 1981.

The figure below displays the median age at marriage for brides and grooms by previous marital status. The median age for men divorced in Montana in 1981 was 32.7 while that for women was 29.7. The figure to the right shows the increase in the median age for brides and grooms from 1965 to the present, regardless of previous marital status.



Median Age at Marriage
(Montana, 1981)

	All Marriages	Previous Marital Status		
		Single	Widowed	Divorced
Grooms	26.1	23.7	61.6	33.6
Brides	23.7	21.9	53.5	30.3

Children Affected by Marital Termination

As a result of smaller families in recent years, the average number of children under 18 years of age affected per divorce has been declining since the mid-1960s. In 1964 there were 1.47 children affected per divorce, and this rate decreased to 1.00 in 1980 and remained the same in 1981.

Although the number of children per divorce has declined, the total number of children affected by Montana divorces has risen by 170 percent since 1955. In that year there were 1,862 children under 18 years of age affected by divorces as compared with 5,022 in 1981.

TABLE 20

MARRIAGES, MARITAL DISSOLUTIONS AND INVALID MARRIAGES

MONTANA COUNTIES, 1981

COUNTY	MARRIAGES		MARITAL TERMINATIONS	
	LICENSE ISSUED	SOLEMNIZED	MARITAL DISSOLUTIONS	INVALID MARRIAGES
MONTANA, TOTAL	8,209	8,209	4,922	82
BEAVERHEAD	96	93	62	3
BIG HORN	80	86	86	-
BLAINE	51	59	21	-
BROADWATER	26	27	41	-
CARBON	62	98	34	-
CARTER	15	20	1	-
CASCADE	859	876	592	7
CHOUTEAU	45	46	19	3
CUSTER	148	148	86	-
DANIELS	22	24	10	-
DAWSON	143	135	80	-
DEER LODGE	82	108	48	5
FALLON	51	47	15	-
FERGUS	153	161	66	3
FLATHEAD	591	628	405	6
GALLATIN	528	470	213	1
GARFIELD	12	8	5	-
GLACIER	101	95	62	1
GOLDEN VALLEY	6	4	-	-
GRANITE	28	33	8	-
HILL	207	184	120	2
JEFFERSON	40	50	33	-
JUDITH BASIN	19	23	11	-
LAKE	183	201	130	1
LEWIS & CLARK	489	493	336	6
LIBERTY	21	21	5	-
LINCOLN	161	166	111	5
MCCONE	21	20	2	-
MADISON	58	71	19	-
MEAGHER	18	21	11	1
MINERAL	29	30	7	-
MISSOULA	889	808	624	19
MUSSELSHELL	46	39	25	-
PARK	122	146	107	1
PETROLEUM	5	5	1	-
PHILLIPS	60	59	19	-
PONDERA	66	72	12	-
POWDER RIVER	17	18	12	-
POWELL	79	91	27	-
PRAIRIE	8	11	5	-
RAVALLI	194	203	138	-
RICHLAND	167	148	60	1
ROOSEVELT	101	106	83	-
ROSEBUD	99	90	46	-
SANDERS	70	81	28	-
SHERIDAN	70	64	25	-
SILVER BOW	351	333	136	5
STILLWATER	46	49	28	1
SWEET GRASS	26	28	10	-
TETON	67	78	15	-
TOOLE	67	77	24	1
TREASURE	9	7	4	-
VALLEY	99	112	52	-
WHEATLAND	19	17	7	-
WIBAUX	14	17	3	-
YELLOWSTONE	1,173	1,104	792	10

TABLE 21

MARRIAGE AND DIVORCE

MONTANA, 1944-1981

YEAR	MARRIAGES		DIVORCES AND ANNULMENTS	
	NUMBER	RATE*	NUMBER	RATE*
1944	6,433	11.2	1,745	3.1
1945	8,147	14.2	2,380	4.1
1946	12,974	22.4	3,212	5.6
1947	9,769	16.8	2,439	4.2
1948	7,131	12.2	2,090	3.6
1949	6,981	11.9	1,995	3.4
1950	7,235	12.2	1,951	3.3
1951	6,307	10.6	1,837	3.1
1952	6,410	10.6	1,989	3.3
1953	6,597	10.7	1,986	3.2
1954	6,575	10.5	1,966	3.2
1955	6,514	10.2	1,909	3.0
1956	6,770	10.3	1,985	3.0
1957	6,495	9.7	2,004	3.0
1958	6,142	9.2	2,023	3.0
1959	6,228	9.3	2,062	3.1
1960	5,883	8.7	2,003	3.0
1961	5,636	8.3	2,034	3.0
1962	5,051	7.1	1,932	2.7
1963	4,854	6.9	1,909	2.7
1964	4,556	6.5	1,981	2.8
1965	4,688	6.6	2,002	2.8
1966	4,914	7.0	2,087	3.0
1967	5,563	7.9	2,361	3.4
1968	6,250	9.0	2,592	3.7
1969	6,444	9.3	2,806	4.0
1970	6,919	10.0	3,051	4.4
1971	7,128	10.0	3,366	4.7
1972	7,674	10.7	3,609	5.0
1973	7,751	10.8	3,772	5.2
1974	7,741	10.5	3,940	5.4
1975	7,331	9.8	4,286	5.7
1976	7,390	9.8	4,850	6.4
1977	7,547	9.9	4,813	6.3
1978	8,136	10.4	4,877	6.2
1979	8,195	10.4	5,106	6.5
1980	8,336	10.6	4,940	6.3
1981	8,209	10.4	5,004	6.3

* PER 1,000 ESTIMATED POPULATION.

TABLE 22

MARRIAGES BY MONTH OF OCCURRENCE

MONTANA, 1981

MONTH	NUMBER	PERCENT	MONTH	NUMBER	PERCENT
MONTANA, TOTAL	8,209	100.0	JUNE	1,117	13.6
			JULY	820	10.0
JANUARY	403	4.9	AUGUST	1,094	13.3
FEBRUARY	503	6.1	SEPTEMBER	783	9.5
MARCH	480	5.8	OCTOBER	652	7.9
APRIL	516	6.3	NOVEMBER	562	6.8
MAY	679	8.3	DECEMBER	600	7.3

TABLE 23

MARRIAGES BY AGE AND PREVIOUS MARITAL STATUS OF BRIDE AND GROOM

MONTANA, 1981

AGE	BRIDE					GROOM				
	TOTAL	PREVIOUS MARITAL STATUS				TOTAL	PREVIOUS MARITAL STATUS			
		SINGLE	WIDOWED	DIVORCED	NOT STATED		SINGLE	WIDOWED	DIVORCED	NOT STATED
TOTAL	8,209	5,371	289	2,543	6	8,209	5,345	227	2,633	4
UNDER 15	-	-	-	-	-	-	-	-	-	-
15-19	1,692	1,666	-	25	1	589	586	-	3	-
20-24	3,227	2,731	10	485	1	3,052	2,835	2	215	-
25-29	1,513	770	20	722	1	2,008	1,378	8	621	1
30-34	762	159	23	578	2	1,050	385	7	657	1
35-39	356	25	27	304	-	541	85	4	452	-
40-44	252	14	19	219	-	322	25	10	287	-
45-49	119	1	20	98	-	212	21	14	177	-
50-54	106	3	36	67	-	154	15	24	115	-
55-59	51	-	27	23	1	96	8	31	55	2
60-64	55	-	43	12	-	72	2	41	29	-
65-69	40	-	39	1	-	55	4	38	13	-
70-74	26	-	19	7	-	32	-	27	5	-
75 AND OVER	7	-	6	1	-	24	-	21	3	-
NOT STATED	3	2	-	1	-	2	1	-	1	-

TABLE 24

FIRST MARRIAGES* BY AGE OF BRIDE BY AGE OF GROOM

MONTANA, 1981

AGE OF GROOM	AGE OF BRIDE											
	TOTAL ALL AGES	UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55 AND OVER	NOT STATED
TOTAL, ALL AGES	4,373	-	1,522	2,213	523	91	13	9	-	1	-	2
UNDER 15	-	-	-	-	-	-	-	-	-	-	-	-
15-19	566	-	461	99	5	1	-	-	-	-	-	-
20-24	2,500	-	925	1,439	121	13	-	-	-	-	-	2
25-29	1,037	-	123	583	293	37	1	-	-	-	-	-
30-34	216	-	9	81	90	29	4	3	-	-	-	-
35-39	36	-	3	10	12	9	2	-	-	-	-	-
40-44	7	-	-	-	2	1	4	-	-	-	-	-
45-49	5	-	-	-	-	-	2	3	-	-	-	-
50-54	4	-	-	1	-	1	-	1	-	1	-	-
55 AND OVER	1	-	-	-	-	-	-	1	-	-	-	-
NOT STATED	1	-	1	-	-	-	-	-	-	-	-	-

* FIRST MARRIAGE FOR BOTH BRIDE AND GROOM

TABLE 25

MARRIAGES BY RACE OF BRIDE AND GROOM

MONTANA, 1981

GROOM	BRIDE							
	TOTAL	WHITE	NEGRO	INDIAN	CHINESE	JAPANESE	HAWAIIAN	OTHER
TOTAL	8,209	7,857	24	287	4	8	1	28
WHITE	7,846	7,707	-	109	4	8	1	17
NEGRO	45	19	23	2	-	-	-	1
INDIAN	289	114	1	174	-	-	-	-
CHINESE	3	3	-	-	-	-	-	-
JAPANESE	1	1	-	-	-	-	-	-
HAWAIIAN	3	3	-	-	-	-	-	-
OTHER	22	10	-	2	-	-	-	10

TABLE 26

MARITAL TERMINATIONS BY LEGAL GROUNDS FOR DECREE

MONTANA, 1981

TYPES OF MARITAL TERMINATION AND LEGAL GROUNDS.	NUMBER
MARITAL DISSOLUTIONS, TOTAL	4,922
IRRECONCILABLE DIFFERENCES	4,922
INVALID MARRIAGES, TOTAL	82
LACKED CAPACITY TO CONSENT	74
PROHIBITED MARRIAGE	6
LACKED PHYSICAL CAPACITY	2

TABLE 27

MARITAL TERMINATIONS* BY AGE OF HUSBAND AND BY AGE OF WIFE

MONTANA, 1981

AGE OF HUSBAND	AGE OF WIFE											
	TOTAL ALL AGES	UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55 AND OVER	NOT STATED
TOTAL, ALL AGES	5,004	-	166	1,196	1,220	893	565	380	236	126	159	63
UNDER 15	-	-	-	-	-	-	-	-	-	-	-	-
15-19	31	-	23	7	1	-	-	-	-	-	-	-
20-24	731	-	107	535	76	10	1	-	-	-	-	2
25-29	1,171	-	22	478	553	91	16	6	-	-	-	5
30-34	1,044	-	9	118	421	423	51	11	3	1	1	6
35-39	675	-	1	37	117	246	230	30	8	1	1	4
40-44	500	-	-	12	27	90	178	146	32	7	4	4
45-49	308	-	1	2	14	17	52	113	85	15	7	2
50-54	224	-	-	-	7	8	23	47	74	41	23	1
55 AND OVER	266	-	1	-	2	5	12	24	34	60	121	7
NOT STATED	54	-	2	7	2	3	2	3	-	1	2	32

* INCLUDES BOTH MARITAL DISSOLUTIONS AND INVALID MARRIAGES

TABLE 28

MARITAL TERMINATIONS* BY NUMBER OF CHILDREN** BY AGE OF MOTHER

MONTANA, 1981

AGE OF MOTHER	NUMBER OF CHILDREN											
	TOTAL	NONE	1	2	3	4	5	6	7	8	9 OR MORE	NOT STATED
TOTAL	5,004	2,198	1,213	1,067	364	97	18	9	6	-	1	31
UNDER 15	-	-	-	-	-	-	-	-	-	-	-	-
15-19	166	84	69	11	-	-	-	-	-	-	-	2
20-24	1,196	548	403	204	35	2	1	-	-	-	-	3
25-29	1,220	471	269	344	100	21	4	2	-	-	-	9
30-34	893	285	193	267	111	29	5	1	-	-	-	2
35-39	565	192	110	136	79	31	6	3	5	-	1	2
40-44	380	181	82	71	28	10	2	3	1	-	-	2
45-49	236	160	42	21	8	3	-	-	-	-	-	2
50-54	126	94	25	7	-	-	-	-	-	-	-	-
55-59	74	69	5	-	-	-	-	-	-	-	-	-
60-64	41	39	2	-	-	-	-	-	-	-	-	-
65-69	23	23	-	-	-	-	-	-	-	-	-	-
70-74	14	14	-	-	-	-	-	-	-	-	-	-
75 AND OVER	7	7	-	-	-	-	-	-	-	-	-	-
NOT STATED	63	31	13	6	3	1	-	-	-	-	-	9

* INCLUDES BOTH MARITAL DISSOLUTIONS AND INVALID MARRIAGES

** NUMBER OF CHILDREN UNDER 18 YEARS OF AGE IN THIS FAMILY

COUNTY SUMMARIES

BIRTHS

RATES

FETAL AND INFANT MORTALITY

DEATHS

POPULATION

NATURAL INCREASE

LEADING CAUSES OF DEATH

DIVORCES

MARRIAGES

OUT-OF-WEDLOCK

COUNTY SUMMARIES

The following table shows summary data for the 56 Montana counties. State figures are shown in the left-hand column on each page for convenience in reference.

The ten leading causes of death shown in the table represent the experience of the entire state. An individual county may have other causes of death which should appear among the top ten. In addition, the rank order of causes for a given county may be different than that for the state.

Rates for live births and deaths are not shown by sex for years other than years in which a federal census is taken. The reason is that population estimates for intercensal years do not provide data by sex.

TABLE 29

SELECTED VITAL STATISTICS FOR 1981

(SEE INTRODUCTION FOR DEFINITIONS OF RATES)

ITEM	MONTANA		BEAVERHEAD		BIG HORN		BLAINE		BROADWATER		CARBON		CARTER		CASCADE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
RESIDENCE																
POPULATION	793,000		8,200		11,400		7,000		3,200		8,300		1,700		79,800	
NATURAL INCREASE	7,600	9.6	51	6.2	173	15.2	81	11.6	20	6.2	15	1.8	11	6.5	888	11.1
LIVE BIRTHS, TOTAL	14,309	18.0	137	16.7	293	25.7	152	21.7	45	14.1	117	14.1	28	16.5	1,513	19.0
SEX-MALE	7,351	*	77	*	159	*	79	*	21	*	60	*	16	*	784	*
FEMALE	6,958	*	60	*	134	*	73	*	24	*	57	*	12	*	729	*
OUT-OF-WEDLOCK	1,902	132.9	8	58.4	111	378.8	54	355.3	6	133.3	10	85.5	3	107.1	232	153.3
DEATHS (EXCLUDING FETALS), TOTAL	6,709	8.5	86	10.5	120	10.5	71	10.1	25	7.8	102	12.3	17	10.0	625	7.8
SEX-MALE	3,732	*	51	*	60	*	43	*	18	*	54	*	12	*	348	*
FEMALE	2,977	*	35	*	60	*	28	*	7	*	48	*	5	*	277	*
INFANT & FETAL MORTALITY																
INFANT DEATHS (UNDER 1 YEAR)	153	10.7	3	21.9	3	10.2	1	6.6	-	0.0	2	17.1	-	0.0	20	13.2
NEONATAL (UNDER 28 DAYS)	90	6.3	1	7.3	2	6.8	-	0.0	-	0.0	1	8.5	-	0.0	6	4.0
POSTNEONATAL (28 DAYS-1 YEAR)	63	4.4	2	14.6	1	3.4	1	6.6	-	0.0	1	8.5	-	0.0	14	9.3
FETAL DEATHS	85	5.9	-	0.0	2	6.8	-	0.0	-	0.0	-	0.0	-	0.0	12	7.9
PERINATAL DEATHS	175	12.2	1	7.3	4	13.6	-	0.0	-	0.0	1	8.5	-	0.0	18	11.8
LEADING CAUSES OF DEATH (1)																
HEART DISEASE (2)	2,279	287.4	30	365.9	35	307.0	22	314.3	10	312.5	27	325.3	6	352.9	262	328.3
CANCER (2)	1,343	169.4	14	170.7	22	193.0	11	157.1	3	93.8	21	253.0	1	58.8	122	152.9
ACCIDENTS (2)	553	69.7	6	73.2	14	122.8	9	128.6	1	31.2	7	84.3	-	0.0	45	56.4
STROKE	549	69.2	9	109.8	6	52.6	8	114.3	3	93.8	14	168.7	4	235.3	38	47.6
CHR. OBST. PULMONARY DISEASES	299	37.7	1	12.2	2	17.5	5	71.4	-	0.0	6	72.3	-	0.0	21	26.3
PNEUMONIA AND INFLUENZA (2)	181	22.8	-	0.0	2	17.5	6	85.7	1	31.2	6	72.3	2	117.6	12	15.0
ARTERIOSCLEROSIS	156	19.7	1	12.2	3	26.3	1	14.3	-	0.0	2	24.1	-	0.0	19	23.8
SUICIDE	137	17.3	2	24.4	3	26.3	1	14.3	-	0.0	1	12.0	-	0.0	12	15.0
CHR. LIVER DIS. AND CIRRHOSIS	109	13.7	3	36.6	8	70.2	2	28.6	1	31.2	1	12.0	-	0.0	13	16.3
DIABETES (2)	95	12.0	-	0.0	3	26.3	-	0.0	-	0.0	3	36.1	-	0.0	5	6.3
OCCURRENCE																
LIVE BIRTHS, TOTAL	13,999	17.7	72	8.8	288	25.3	41	5.9	20	6.2	52	6.3	3	1.8	1,718	21.5
DEATHS (EXCLUDING FETALS), TOTAL	6,707	8.5	86	10.5	82	7.2	35	5.0	21	6.6	91	11.0	12	7.1	714	8.9
INFANT (UNDER 1 YEAR)	133	9.5	2	27.8	1	3.5	1	24.4	-	0.0	1	19.2	-	0.0	28	16.3
ACCIDENTAL	603	0.8	12	1.5	15	1.3	8	1.1	4	1.2	10	1.2	1	0.6	51	0.6
MOTOR VEHICLE	349	0.4	10	1.2	12	1.1	6	0.9	1	0.3	4	0.5	1	0.6	27	0.3
OTHER ACCIDENTAL	254	0.3	2	0.2	3	0.3	2	0.3	3	0.9	6	0.7	-	0.0	24	0.3
MARRIAGES	8,209	10.4	93	11.3	86	7.5	59	8.4	27	8.4	98	11.8	20	11.8	876	11.0
MARITAL TERMINATIONS	5,004	6.3	65	7.9	86	7.5	21	3.0	41	12.8	34	4.1	1	0.6	599	7.5

(1) RESIDENT CAUSE-SPECIFIC DEATH RATES ARE SHOWN PER 100,000 POPULATION.
(2) SEE TABLE 12 FOR I.C.D. RUBRICS INCLUDED.
* NOT CALCULATED.

TABLE 29

SELECTED VITAL STATISTICS FOR 1981

(SEE INTRODUCTION FOR DEFINITIONS OF RATES)

ITEM	MONTANA		CHOUTEAU		CUSTER		DANIELS		DAWSON		DEER LODGE		FALLON		FERGUS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
RESIDENCE																
POPULATION	793,000		6,000		13,400		2,700		12,300		11,900		3,600		13,000	
NATURAL INCREASE	7,600	9.6	55	9.2	61	4.6	10	3.7	176	14.3	-41	-3.4	39	10.8	80	6.2
LIVE BIRTHS, TOTAL	14,309	18.0	122	20.3	208	15.5	43	15.9	256	20.8	119	10.0	80	22.2	232	17.8
SEX-MALE	7,351	*	56	*	106	*	25	*	128	*	60	*	31	*	119	*
FEMALE	6,958	*	66	*	102	*	18	*	128	*	59	*	49	*	113	*
OUT-OF-WEDLOCK	1,902	132.9	8	65.6	15	72.1	2	46.5	14	54.7	26	218.5	8	100.0	21	90.5
DEATHS (EXCLUDING FETALS), TOTAL	6,709	8.5	67	11.2	147	11.0	33	12.2	80	6.5	160	13.4	41	11.4	152	11.7
SEX-MALE	3,732	*	42	*	77	*	17	*	46	*	81	*	24	*	87	*
FEMALE	2,977	*	25	*	70	*	16	*	34	*	79	*	17	*	65	*
INFANT & FETAL MORTALITY																
INFANT DEATHS (UNDER 1 YEAR)	153	10.7	1	8.2	1	4.8	1	23.3	3	11.7	-	0.0	3	37.5	3	12.9
NEONATAL (UNDER 28 DAYS)	90	6.3	1	8.2	-	0.0	-	0.0	2	7.8	-	0.0	3	37.5	3	12.9
POSTNEONATAL (28 DAYS-1 YEAR)	63	4.4	-	0.0	1	4.8	1	23.3	1	3.9	-	0.0	-	0.0	-	0.0
FETAL DEATHS	85	5.9	-	0.0	-	0.0	-	0.0	1	3.9	2	16.8	-	0.0	2	8.6
PERINATAL DEATHS	175	12.2	1	8.2	-	0.0	-	0.0	3	11.7	2	16.5	3	37.5	5	21.4
LEADING CAUSES OF DEATH (1)																
HEART DISEASE (2)	2,279	287.4	24	400.0	54	403.0	11	407.4	28	227.6	64	537.8	13	361.1	40	307.7
CANCER (2)	1,343	169.4	11	183.3	30	223.9	5	185.2	19	154.5	29	243.7	9	250.0	37	284.6
ACCIDENTS (2)	553	69.7	7	116.7	14	104.5	4	148.1	10	81.3	4	33.6	4	111.1	5	38.5
STROKE	549	69.2	5	83.3	15	111.9	3	111.1	7	56.9	15	126.0	4	111.1	15	115.4
CHR. OBST. PULMONARY DISEASES	299	37.7	3	50.0	7	52.2	1	37.0	3	24.4	11	92.4	3	83.3	7	53.8
PNEUMONIA AND INFLUENZA (2)	181	22.8	1	16.7	5	37.3	-	0.0	1	8.1	5	42.0	3	83.3	6	46.2
ARTERIOSCLEROSIS	156	19.7	2	33.3	2	14.9	4	148.1	-	0.0	11	92.4	-	0.0	4	30.8
SUICIDE	137	17.3	2	33.3	2	14.9	-	0.0	-	0.0	1	8.4	-	0.0	3	23.1
CHR. LIVER DIS. AND CIRRHOSIS	109	13.7	1	16.7	1	7.5	-	0.0	-	0.0	3	25.2	-	0.0	2	15.4
DIABETES (2)	95	12.0	1	16.7	2	14.9	-	0.0	1	8.1	-	0.0	-	0.0	3	23.1
OCCURRENCE																
LIVE BIRTHS, TOTAL	13,999	17.7	18	3.0	417	31.1	33	12.2	271	22.0	68	5.7	47	13.1	264	20.3
DEATHS (EXCLUDING FETALS), TOTAL	6,707	8.5	40	6.7	208	15.5	29	10.7	62	5.0	136	11.4	25	6.9	149	11.5
INFANT (UNDER 1 YEAR)	133	9.5	-	0.0	1	2.4	1	30.3	1	3.7	-	0.0	-	0.0	1	3.8
ACCIDENTAL	603	0.8	6	1.0	14	1.0	3	1.1	11	0.9	2	0.2	2	0.6	5	0.4
MOTOR VEHICLE	349	0.4	3	0.5	8	0.6	1	0.4	9	0.7	1	0.1	1	0.3	3	0.2
OTHER ACCIDENTAL	254	0.3	3	0.5	6	0.4	2	0.7	2	0.2	1	0.1	1	0.3	2	0.2
MARRIAGES	8,209	10.4	46	7.7	148	11.0	24	8.9	135	11.0	108	9.1	47	13.1	161	12.4
MARITAL TERMINATIONS	5,004	6.3	22	3.7	86	6.4	10	3.7	80	6.5	53	4.5	15	4.2	69	5.3

(1) RESIDENT CAUSE-SPECIFIC DEATH RATES ARE SHOWN PER 100,000 POPULATION.
(2) SEE TABLE 12 FOR I.C.D. RUBRICS INCLUDED.
* NOT CALCULATED.

TABLE 29

SELECTED VITAL STATISTICS FOR 1981

(SEE INTRODUCTION FOR DEFINITIONS OF RATES)

ITEM	MONTANA		FLATHEAD		GALLATIN		GARFIELD		GLACIER		GOLDEN VALLEY		GRANITE		HILL	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
RESIDENCE																
POPULATION.	793,000		51,900		43,300		1,600		10,900		1,100		2,800		18,000	
NATURAL INCREASE.	7,600	9.6	519	10.0	443	10.2	25	15.6	172	15.8	10	9.1	13	4.6	208	11.6
LIVE BIRTHS, TOTAL.	14,309	18.0	913	17.6	688	15.9	34	21.2	271	24.9	17	15.5	54	19.3	352	19.6
SEX-MALE.	7,351	*	483	*	336	*	19	*	147	*	8	*	26	*	183	*
FEMALE.	6,958	*	430	*	352	*	15	*	124	*	9	*	28	*	169	*
OUT-OF-WEDLOCK.	1,902	132.9	85	93.1	43	62.5	2	58.8	128	472.3	1	58.8	7	129.6	60	170.5
DEATHS (EXCLUDING FETALS), TOTAL.	6,709	8.5	394	7.6	245	5.7	9	5.6	99	9.1	7	6.4	41	14.6	144	8.0
SEX-MALE.	3,732	*	223	*	134	*	5	*	51	*	4	*	25	*	81	*
FEMALE.	2,977	*	171	*	111	*	4	*	48	*	3	*	16	*	63	*
INFANT & FETAL MORTALITY																
INFANT DEATHS (UNDER 1 YEAR). .	153	10.7	11	12.0	4	5.8	-	0.0	5	18.4	-	0.0	1	18.5	3	8.5
NEONATAL (UNDER 28 DAYS). . .	90	6.3	8	8.8	3	4.4	-	0.0	2	7.4	-	0.0	1	18.5	-	0.0
POSTNEONATAL (28 DAYS-1 YEAR)	63	4.4	3	3.3	1	1.5	-	0.0	3	11.1	-	0.0	-	0.0	3	8.5
FETAL DEATHS.	85	5.9	6	6.6	8	11.6	-	0.0	5	18.4	-	0.0	1	18.5	4	11.4
PERINATAL DEATHS.	175	12.2	14	15.2	11	15.8	-	0.0	7	25.4	-	0.0	2	36.4	4	11.2
LEADING CAUSES OF DEATH (1)																
HEART DISEASE (2)	2,279	287.4	128	246.6	78	180.1	2	125.0	25	229.4	2	181.8	14	500.0	47	261.1
CANCER (2).	1,343	169.4	86	165.7	60	138.6	2	125.0	23	211.0	1	90.9	10	357.1	29	161.1
ACCIDENTS (2)	553	69.7	32	61.7	13	30.0	-	0.0	8	73.4	1	90.9	1	35.7	19	105.6
STROKE.	549	69.2	36	69.4	24	55.4	3	187.5	5	45.9	1	90.9	2	71.4	5	27.8
CHR. OBST. PULMONARY DISEASES .	299	37.7	22	42.4	14	32.3	-	0.0	2	18.3	-	0.0	1	35.7	9	50.0
PNEUMONIA AND INFLUENZA (2) . .	181	22.8	12	23.1	6	13.9	2	125.0	2	18.3	-	0.0	-	0.0	7	38.9
ARTERIOSCLEROSIS.	156	19.7	11	21.2	8	18.5	-	0.0	2	18.3	-	0.0	1	35.7	-	0.0
SUICIDE	137	17.3	8	15.4	2	4.6	-	0.0	1	9.2	-	0.0	1	35.7	3	16.7
CHR. LIVER DIS. AND CIRRHOSIS .	109	13.7	4	7.7	4	9.2	-	0.0	6	55.0	-	0.0	-	0.0	1	5.6
DIABETES (2).	95	12.0	7	13.5	2	4.6	-	0.0	2	18.3	-	0.0	1	35.7	2	11.1
OCCURRENCE																
LIVE BIRTHS, TOTAL.	13,999	17.7	1,072	20.7	811	18.7	7	4.4	216	19.8	-	0.0	3	1.1	485	26.9
DEATHS (EXCLUDING FETALS), TOTAL.	6,707	8.5	391	7.5	246	5.7	7	4.4	82	7.5	6	5.5	25	8.9	157	8.7
INFANT (UNDER 1 YEAR)	133	9.5	11	10.3	2	2.5	-	0.0	2	9.3	-	0.0	-	0.0	2	4.1
ACCIDENTAL.	603	0.8	34	0.7	17	0.4	1	0.6	6	0.6	4	3.6	2	0.7	18	1.0
MOTOR VEHICLE	349	0.4	15	0.3	13	0.3	1	0.6	6	0.6	2	1.8	1	0.4	7	0.4
OTHER ACCIDENTAL.	254	0.3	19	0.4	4	0.1	-	0.0	-	0.0	2	1.8	1	0.4	11	0.6
MARRIAGES	8,209	10.4	628	12.1	470	10.9	8	5.0	95	8.7	4	3.6	33	11.8	184	10.2
MARITAL TERMINATIONS.	5,004	6.3	411	7.9	214	4.9	5	3.1	63	5.8	-	0.0	8	2.9	122	6.8

(1) RESIDENT CAUSE-SPECIFIC DEATH RATES ARE SHOWN PER 100,000 POPULATION.
(2) SEE TABLE 12 FOR I.C.D. RUBRICS INCLUDED.
* NOT CALCULATED.

TABLE 29

SELECTED VITAL STATISTICS FOR 1981

(SEE INTRODUCTION FOR DEFINITIONS OF RATES)

ITEM	MONTANA		JEFFERSON		JUDITH BASIN		LAKE		LEWIS & CLARK		LIBERTY		LINCOLN		MCCONE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
RESIDENCE																
POPULATION.	793,000		7,200		2,800		19,300		44,000		2,400		17,600		2,600	
NATURAL INCREASE.	7,600	9.6	72	10.0	3	1.1	184	9.5	444	10.1	33	13.8	198	11.2	41	15.8
LIVE BIRTHS, TOTAL.	14,309	18.0	131	18.2	26	9.3	363	18.8	779	17.7	53	22.1	312	17.7	63	24.2
SEX-MALE.	7,351	*	67	*	14	*	188	*	412	*	29	*	161	*	32	*
FEMALE.	6,958	*	64	*	12	*	175	*	367	*	24	*	151	*	31	*
OUT-OF-WEDLOCK.	1,902	132.9	6	45.8	-	0.0	59	162.5	105	134.8	2	37.7	28	89.7	2	31.7
DEATHS (EXCLUDING FETALS), TOTAL.	6,709	8.5	59	8.2	23	8.2	179	9.3	335	7.6	20	8.3	114	6.5	22	8.5
SEX-MALE.	3,732	*	30	*	13	*	92	*	192	*	14	*	70	*	14	*
FEMALE.	2,977	*	29	*	10	*	87	*	143	*	6	*	44	*	8	*
INFANT & FETAL MORTALITY																
INFANT DEATHS (UNDER 1 YEAR). .	153	10.7	3	22.9	-	0.0	1	2.8	4	5.1	1	18.9	3	9.6	1	15.9
NEONATAL (UNDER 28 DAYS). . .	90	6.3	2	15.3	-	0.0	1	2.8	2	2.6	1	18.9	2	6.4	1	15.9
POSTNEONATAL (28 DAYS-1 YEAR)	63	4.4	1	7.6	-	0.0	-	0.0	2	2.6	-	0.0	1	3.2	-	0.0
FETAL DEATHS.	85	5.9	-	0.0	-	0.0	1	2.8	3	3.9	-	0.0	-	0.0	-	0.0
PERINATAL DEATHS.	175	12.2	2	15.3	-	0.0	2	5.5	5	6.4	1	18.9	2	6.4	1	15.9
LEADING CAUSES OF DEATH (1)																
HEART DISEASE (2)	2,279	287.4	11	152.8	7	250.0	68	352.3	108	245.5	9	375.0	36	204.5	5	192.3
CANCER (2).	1,343	169.4	9	125.0	4	142.9	34	176.2	76	172.7	4	166.7	21	119.3	6	230.8
ACCIDENTS (2)	553	69.7	2	27.8	2	71.4	28	145.1	28	63.6	1	41.7	15	85.2	2	76.9
STROKE.	549	69.2	6	83.3	3	107.1	12	62.2	21	47.7	1	41.7	9	51.1	4	153.8
CHR. OBST. PULMONARY DISEASES .	299	37.7	4	55.6	-	0.0	4	20.7	9	20.5	-	0.0	9	51.1	-	0.0
PNEUMONIA AND INFLUENZA (2) . .	181	22.8	5	69.4	1	35.7	3	15.5	5	11.4	-	0.0	2	11.4	-	0.0
ARTERIOSCLEROSIS.	156	19.7	2	27.8	-	0.0	1	5.2	6	13.6	-	0.0	3	17.0	1	38.5
SUICIDE	137	17.3	-	0.0	-	0.0	-	0.0	15	34.1	1	41.7	2	11.4	-	0.0
CHR. LIVER DIS. AND CIRRHOSIS .	109	13.7	-	0.0	-	0.0	3	15.5	3	6.8	1	41.7	-	0.0	-	0.0
DIABETES (2).	95	12.0	2	27.8	-	0.0	5	25.9	7	15.9	1	41.7	2	11.4	-	0.0
OCCURRENCE																
LIVE BIRTHS, TOTAL.	13,999	17.7	2	0.3	-	0.0	289	15.0	876	19.9	70	29.2	220	12.5	25	9.6
DEATHS (EXCLUDING FETALS), TOTAL.	6,707	8.5	41	5.7	8	2.9	158	8.2	356	8.1	27	11.2	93	5.3	28	10.8
INFANT (UNDER 1 YEAR)	133	9.5	1	500.0	-	0.0	1	3.5	3	3.4	-	0.0	-	0.0	1	40.0
ACCIDENTAL.	603	0.8	2	0.3	2	0.7	28	1.4	21	0.5	1	0.4	10	0.6	6	2.3
MOTOR VEHICLE	349	0.4	2	0.3	-	0.0	14	0.7	9	0.2	1	0.4	5	0.3	6	2.3
OTHER ACCIDENTAL.	254	0.3	-	0.0	2	0.7	14	0.7	12	0.3	-	0.0	5	0.3	-	0.0
MARRIAGES	8,209	10.4	50	6.9	23	8.2	201	10.4	493	11.2	21	8.8	166	9.4	20	7.7
MARITAL TERMINATIONS.	5,004	6.3	33	4.6	11	3.9	131	6.8	342	7.8	5	2.1	116	6.6	2	0.8

(1) RESIDENT CAUSE-SPECIFIC DEATH RATES ARE SHOWN PER 100,000 POPULATION.
(2) SEE TABLE 12 FOR I.C.D. RUBRICS INCLUDED.
* NOT CALCULATED.

TABLE 29

SELECTED VITAL STATISTICS FOR 1981

(SEE INTRODUCTION FOR DEFINITIONS OF RATES)

ITEM	MONTANA		MADISON		MEAGHER		MINERAL		MISSOULA		MUSSELSHELL		PARK		PETROLEUM	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
RESIDENCE																
POPULATION	793,000		5,800		2,200		3,400		76,900		4,500		13,600		700	
NATURAL INCREASE	7,600	9.6	26	4.5	17	7.7	48	14.1	872	11.3	29	6.4	94	6.9	6	8.6
LIVE BIRTHS, TOTAL	14,309	18.0	101	17.4	40	18.2	72	21.2	1,358	17.7	82	18.2	219	16.1	11	15.7
SEX-MALE	7,351	*	55	*	20	*	36	*	721	*	41	*	119	*	5	*
FEMALE	6,958	*	46	*	20	*	36	*	637	*	41	*	100	*	6	*
OUT-OF-WEDLOCK	1,902	132.9	5	49.5	2	50.0	8	111.1	140	103.1	4	48.8	23	105.0	-	0.0
DEATHS (EXCLUDING FETALS), TOTAL	6,709	8.5	75	12.9	23	10.5	24	7.1	486	6.3	53	11.8	125	9.2	5	7.1
SEX-MALE	3,732	*	45	*	11	*	14	*	249	*	25	*	63	*	4	*
FEMALE	2,977	*	30	*	12	*	10	*	237	*	28	*	62	*	1	*
INFANT & FETAL MORTALITY																
INFANT DEATHS (UNDER 1 YEAR)	153	10.7	1	9.9	-	0.0	-	0.0	12	8.8	1	12.2	2	9.1	-	0.0
NEONATAL (UNDER 28 DAYS)	90	6.3	1	9.9	-	0.0	-	0.0	7	5.2	1	12.2	2	9.1	-	0.0
POSTNEONATAL (28 DAYS-1 YEAR)	63	4.4	-	0.0	-	0.0	-	0.0	5	3.7	-	0.0	-	0.0	-	0.0
FETAL DEATHS	85	5.9	-	0.0	2	50.0	-	0.0	7	5.2	1	12.2	2	9.1	-	0.0
PERINATAL DEATHS	175	12.2	1	9.9	2	47.6	-	0.0	14	10.3	2	24.1	4	18.1	-	0.0
LEADING CAUSES OF DEATH (1)																
HEART DISEASE (2)	2,279	287.4	22	379.3	8	363.6	7	205.9	155	201.6	16	355.6	50	367.6	1	142.9
CANCER (2)	1,343	169.4	8	137.9	4	181.8	7	205.9	88	114.4	9	200.0	23	169.1	-	0.0
ACCIDENTS (2)	553	69.7	11	189.7	2	90.9	1	29.4	46	59.8	7	155.6	2	14.7	1	142.9
STROKE	549	69.2	8	137.9	1	45.5	4	117.6	42	54.6	5	111.1	12	88.2	1	142.9
CHR. OBST. PULMONARY DISEASES	299	37.7	1	17.2	1	45.5	1	29.4	22	28.6	6	133.3	10	73.5	1	142.9
PNEUMONIA AND INFLUENZA (2)	181	22.8	1	17.2	-	0.0	-	0.0	15	19.5	1	22.2	5	36.8	-	0.0
ARTERIOSCLEROSIS	156	19.7	6	103.4	1	45.5	-	0.0	8	10.4	4	88.9	8	58.8	-	0.0
SUICIDE	137	17.3	3	51.7	1	45.5	1	29.4	14	18.2	-	0.0	2	14.7	-	0.0
CHR. LIVER DIS. AND CIRRHOSIS	109	13.7	1	17.2	-	0.0	-	0.0	5	6.5	-	0.0	1	7.4	-	0.0
DIABETES (2)	95	12.0	1	17.2	-	0.0	-	0.0	9	11.7	-	0.0	1	7.4	-	0.0
O C C U R R E N C E																
LIVE BIRTHS, TOTAL	13,999	17.7	75	12.9	17	7.7	47	13.8	1,665	21.7	39	8.7	159	11.7	-	0.0
DEATHS (EXCLUDING FETALS), TOTAL	6,707	8.5	65	11.2	24	10.9	18	5.3	614	8.0	36	8.0	116	8.5	4	5.7
INFANT (UNDER 1 YEAR)	133	9.5	1	13.3	-	0.0	-	0.0	16	9.6	-	0.0	2	12.6	-	0.0
ACCIDENTAL	603	0.8	9	1.6	5	2.3	1	0.3	52	0.7	2	0.4	5	0.4	2	2.9
MOTOR VEHICLE	349	0.4	5	0.9	4	1.8	1	0.3	32	0.4	1	0.2	3	0.2	2	2.9
OTHER ACCIDENTAL	254	0.3	4	0.7	1	0.5	-	0.0	20	0.3	1	0.2	2	0.1	-	0.0
MARRIAGES	8,209	10.4	71	12.2	21	9.5	30	8.8	808	10.5	39	8.7	146	10.7	5	7.1
MARITAL TERMINATIONS	5,004	6.3	19	3.3	12	5.5	7	2.1	643	8.4	25	5.6	108	7.9	1	1.4

(1) RESIDENT CAUSE-SPECIFIC DEATH RATES ARE SHOWN PER 100,000 POPULATION.
(2) SEE TABLE 12 FOR I.C.D. RUBRICS INCLUDED.
* NOT CALCULATED.

TABLE 29

SELECTED VITAL STATISTICS FOR 1981

(SEE INTRODUCTION FOR DEFINITIONS OF RATES)

ITEM	MONTANA		PHILLIPS		PONDERA		POWDER RIVER		POWELL		PRAIRIE		RAVALLI		RICHLAND	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
RESIDENCE																
POPULATION	793,000		5,400		6,700		2,400		6,800		1,900		23,400		13,500	
NATURAL INCREASE	7,600	9.6	46	8.5	45	6.7	33	13.8	38	5.6	4	2.1	162	6.9	265	19.6
LIVE BIRTHS, TOTAL	14,309	18.0	104	19.3	118	17.6	51	21.2	117	17.2	22	11.6	365	15.6	366	27.1
SEX-MALE	7,351	*	55	*	62	*	23	*	55	*	12	*	159	*	163	*
FEMALE	6,958	*	49	*	56	*	28	*	62	*	10	*	206	*	203	*
OUT-OF-WEDLOCK	1,902	132.9	12	115.4	18	152.5	7	137.3	14	119.7	-	0.0	24	65.8	32	87.4
DEATHS (EXCLUDING FETALS), TOTAL	6,709	8.5	58	10.7	73	10.9	18	7.5	79	11.6	18	9.5	203	8.7	101	7.5
SEX-MALE	3,732	*	34	*	43	*	9	*	44	*	12	*	112	*	58	*
FEMALE	2,977	*	24	*	30	*	9	*	35	*	6	*	91	*	43	*
INFANT & FETAL MORTALITY																
INFANT DEATHS (UNDER 1 YEAR)	153	10.7	2	19.2	1	8.5	-	0.0	1	8.5	-	0.0	3	8.2	5	13.7
NEONATAL (UNDER 28 DAYS)	90	6.3	2	19.2	1	8.5	-	0.0	1	8.5	-	0.0	-	0.0	4	10.9
POSTNEONATAL (28 DAYS-1 YEAR)	63	4.4	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	3	8.2	1	2.7
FETAL DEATHS	85	5.9	-	0.0	1	8.5	-	0.0	-	0.0	-	0.0	3	8.2	-	0.0
PERINATAL DEATHS	175	12.2	2	19.2	2	16.8	-	0.0	1	8.5	-	0.0	3	8.2	4	10.9
LEADING CAUSES OF DEATH (1)																
HEART DISEASE (2)	2,279	287.4	25	463.0	20	298.5	5	208.3	33	485.3	7	368.4	81	346.2	29	214.8
CANCER (2)	1,343	169.4	11	203.7	19	283.6	8	333.3	16	235.3	3	157.9	40	170.9	26	192.6
ACCIDENTS (2)	553	69.7	6	111.1	6	89.6	-	0.0	1	14.7	1	52.6	16	68.4	13	96.3
STROKE	549	69.2	4	74.1	7	104.5	1	41.7	4	58.8	1	52.6	16	68.4	5	37.0
CHR. OBST. PULMONARY DISEASES	299	37.7	2	37.0	2	29.8	1	41.7	4	58.8	1	52.6	8	34.2	6	44.4
PNEUMONIA AND INFLUENZA (2)	181	22.8	1	18.5	1	14.9	1	41.7	2	29.4	-	0.0	6	25.6	2	14.8
ARTERIOSCLEROSIS	156	19.7	-	0.0	2	29.8	1	41.7	2	29.4	-	0.0	2	8.5	1	7.4
SUICIDE	137	17.3	-	0.0	-	0.0	-	0.0	3	44.1	1	52.6	1	4.3	2	14.8
CHR. LIVER DIS. AND CIRRHOSIS	109	13.7	-	0.0	2	29.8	-	0.0	-	0.0	1	52.6	2	8.5	-	0.0
DIABETES (2)	95	12.0	1	18.5	3	44.8	-	0.0	2	29.4	1	52.6	1	4.3	1	7.4
OCCURRENCE																
LIVE BIRTHS, TOTAL	13,999	17.7	67	12.4	88	13.1	-	0.0	102	15.0	10	5.3	242	10.3	267	19.8
DEATHS (EXCLUDING FETALS), TOTAL	6,707	8.5	59	10.9	50	7.5	11	4.6	77	11.3	13	6.8	168	7.2	94	7.0
INFANT (UNDER 1 YEAR)	133	9.5	2	29.8	-	0.0	-	0.0	1	9.8	-	0.0	2	8.3	2	7.5
ACCIDENTAL	603	0.8	10	1.9	2	0.3	-	0.0	9	1.3	1	0.5	12	0.5	17	1.3
MOTOR VEHICLE	349	0.4	6	1.1	-	0.0	-	0.0	6	0.9	-	0.0	6	0.3	10	0.7
OTHER ACCIDENTAL	254	0.3	4	0.7	2	0.3	-	0.0	3	0.4	1	0.5	6	0.3	7	0.5
MARRIAGES	8,209	10.4	59	10.9	72	10.7	18	7.5	91	13.4	11	5.8	203	8.7	148	11.0
MARITAL TERMINATIONS	5,004	6.3	19	3.5	12	1.8	12	5.0	27	4.0	5	2.6	138	5.9	61	4.5

(1) RESIDENT CAUSE-SPECIFIC DEATH RATES ARE SHOWN PER 100,000 POPULATION.
(2) SEE TABLE 12 FOR I.C.D. RUBRICS INCLUDED.
* NOT CALCULATED.

TABLE 29

SELECTED VITAL STATISTICS FOR 1981

(SEE INTRODUCTION FOR DEFINITIONS OF RATES)

ITEM	MONTANA		ROOSEVELT		ROSEBUD		SANDERS		SHERIDAN		SILVER BOW		STILLWATER		SWEET GRASS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
RESIDENCE																
POPULATION.	793,000		10,700		10,600		8,600		5,600		36,900		5,500		3,400	
NATURAL INCREASE.	7,600	9.6	159	14.9	217	20.5	63	7.3	51	9.1	51	1.4	10	1.8	13	3.8
LIVE BIRTHS, TOTAL.	14,309	18.0	286	26.7	290	27.4	146	17.0	101	18.0	517	14.0	83	15.1	45	13.2
SEX-MALE.	7,351	*	156	*	148	*	78	*	47	*	268	*	49	*	20	*
FEMALE.	6,958	*	130	*	142	*	68	*	54	*	249	*	34	*	25	*
OUT-OF-WEDLOCK.	1,902	132.9	88	307.7	70	241.4	11	75.3	9	89.1	87	168.3	7	84.3	1	22.2
DEATHS (EXCLUDING FETALS), TOTAL.	6,709	8.5	127	11.9	73	6.9	83	9.7	50	8.9	466	12.6	73	13.3	32	9.4
SEX-MALE.	3,732	*	81	*	46	*	53	*	26	*	257	*	35	*	19	*
FEMALE.	2,977	*	46	*	27	*	30	*	24	*	209	*	38	*	13	*
INFANT & FETAL MORTALITY																
INFANT DEATHS (UNDER 1 YEAR). .	153	10.7	2	7.0	3	10.3	3	20.5	3	29.7	12	23.2	1	12.0	-	0.0
NEONATAL (UNDER 28 DAYS). . .	90	6.3	1	3.5	1	3.4	1	6.8	-	0.0	10	19.3	1	12.0	-	0.0
POSTNEONATAL (28 DAYS-1 YEAR)	63	4.4	1	3.5	2	6.9	2	13.7	3	29.7	2	3.9	-	0.0	-	0.0
FETAL DEATHS.	85	5.9	2	7.0	1	3.4	-	0.0	-	0.0	7	13.5	-	0.0	-	0.0
PERINATAL DEATHS.	175	12.2	3	10.4	2	6.9	1	6.8	-	0.0	17	32.4	1	12.0	-	0.0
LEADING CAUSES OF DEATH (1)																
HEART DISEASE (2)	2,279	287.4	29	271.0	19	179.2	28	325.6	19	339.3	177	479.7	23	418.2	9	264.7
CANCER (2).	1,343	169.4	22	205.6	11	103.8	13	151.2	8	142.9	88	238.5	17	309.1	3	88.2
ACCIDENTS (2)	553	69.7	22	205.6	10	94.3	12	139.5	2	35.7	28	75.9	7	127.3	1	29.4
STROKE.	549	69.2	8	74.8	7	66.0	8	93.0	5	89.3	36	97.6	8	145.5	7	205.9
CHR. OBST. PULMONARY DISEASES .	299	37.7	2	18.7	2	18.9	2	23.3	1	17.9	26	70.5	2	36.4	2	58.8
PNEUMONIA AND INFLUENZA (2) . .	181	22.8	3	28.0	-	0.0	-	0.0	4	71.4	16	43.4	1	18.2	-	0.0
ARTERIOSCLEROSIS.	156	19.7	1	9.3	1	9.4	2	23.3	1	17.9	11	29.8	-	0.0	-	0.0
SUICIDE	137	17.3	2	18.7	3	28.3	3	34.9	-	0.0	4	10.8	-	0.0	1	29.4
CHR. LIVER DIS. AND CIRRHOSIS .	109	13.7	10	93.5	2	18.9	1	11.6	-	0.0	9	24.4	-	0.0	-	0.0
DIABETES (2).	95	12.0	2	18.7	1	9.4	-	0.0	-	0.0	5	13.6	2	36.4	-	0.0
OCCURRENCE																
LIVE BIRTHS, TOTAL.	13,999	17.7	250	23.4	6	0.6	65	7.6	104	18.6	687	18.6	96	17.5	24	7.1
DEATHS (EXCLUDING FETALS), TOTAL.	6,707	8.5	113	10.6	50	4.7	67	7.8	47	8.4	471	12.8	66	12.0	23	6.8
INFANT (UNDER 1 YEAR)	133	9.5	2	8.0	4	666.7	1	15.4	1	9.6	12	17.5	1	10.4	-	0.0
ACCIDENTAL.	603	0.8	19	1.8	7	0.7	15	1.7	2	0.4	22	0.6	8	1.5	2	0.6
MOTOR VEHICLE	349	0.4	12	1.1	2	0.2	9	1.0	1	0.2	9	0.2	3	0.5	1	0.3
OTHER ACCIDENTAL.	254	0.3	7	0.7	5	0.5	6	0.7	1	0.2	13	0.4	5	0.9	1	0.3
MARRIAGES	8,209	10.4	106	9.9	90	8.5	81	9.4	64	11.4	333	9.0	49	8.9	28	8.2
MARITAL TERMINATIONS.	5,004	6.3	83	7.8	46	4.3	28	3.3	25	4.5	141	3.8	29	5.3	10	2.9

(1) RESIDENT CAUSE-SPECIFIC DEATH RATES ARE SHOWN PER 100,000 POPULATION.
(2) SEE TABLE 12 FOR I.C.D. RUBRICS INCLUDED.
* NOT CALCULATED.

TABLE 29

SELECTED VITAL STATISTICS FOR 1981

(SEE INTRODUCTION FOR DEFINITIONS OF RATES)

ITEM	MONTANA		TETON		TOOLE		TREASURE		VALLEY		WHEATLAND		WIBAUX		YELLOWSTONE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
RESIDENCE																
POPULATION	793,000		6,600		5,400		1,000		9,800		2,000		1,600		109,400	
NATURAL INCREASE	7,600	9.6	58	8.8	64	11.9	6	6.0	93	9.5	4	2.0	13	8.1	1,129	10.3
LIVE BIRTHS, TOTAL	14,309	18.0	121	18.3	114	21.1	15	15.0	180	18.4	38	19.0	29	18.1	1,917	17.5
SEX-MALE	7,351	*	75	*	62	*	9	*	91	*	16	*	10	*	970	*
FEMALE	6,958	*	46	*	52	*	6	*	89	*	22	*	19	*	947	*
OUT-OF-WEDLOCK	1,902	132.9	7	57.9	10	87.7	-	0.0	31	172.2	-	0.0	2	69.0	244	127.3
DEATHS (EXCLUDING FETALS), TOTAL	6,709	8.5	63	9.5	50	9.3	9	9.0	87	8.9	34	17.0	16	10.0	788	7.2
SEX-MALE	3,732	*	39	*	26	*	6	*	50	*	16	*	8	*	439	*
FEMALE	2,977	*	24	*	24	*	3	*	37	*	18	*	8	*	349	*
INFANT & FETAL MORTALITY																
INFANT DEATHS (UNDER 1 YEAR)	153	10.7	1	8.3	-	0.0	-	0.0	1	5.6	-	0.0	-	0.0	21	11.0
NEONATAL (UNDER 28 DAYS)	90	6.3	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	15	7.8
POSTNEONATAL (28 DAYS-1 YEAR)	63	4.4	1	8.3	-	0.0	-	0.0	1	5.6	-	0.0	-	0.0	6	3.1
FETAL DEATHS	85	5.9	1	8.3	2	17.5	-	0.0	2	11.1	-	0.0	-	0.0	7	3.7
PERINATAL DEATHS	175	12.2	1	8.2	2	17.2	-	0.0	2	11.0	-	0.0	-	0.0	22	11.4
LEADING CAUSES OF DEATH (1)																
HEART DISEASE (2)	2,279	287.4	20	303.0	21	388.9	2	200.0	18	183.7	10	500.0	6	375.0	273	249.5
CANCER (2)	1,343	169.4	14	212.1	7	129.6	-	0.0	21	214.3	11	550.0	4	250.0	163	149.0
ACCIDENTS (2)	553	69.7	6	90.9	4	74.1	-	0.0	12	122.4	1	50.0	2	125.0	51	46.6
STROKE	549	69.2	4	60.6	1	18.5	1	100.0	3	30.6	4	200.0	-	0.0	68	62.2
CHR. OBST. PULMONARY DISEASES	299	37.7	2	30.3	-	0.0	2	200.0	4	40.8	1	50.0	1	62.5	42	38.4
PNEUMONIA AND INFLUENZA (2)	181	22.8	-	0.0	6	111.1	1	100.0	2	20.4	-	0.0	2	125.0	16	14.6
ARTERIOSCLEROSIS	156	19.7	4	60.6	-	0.0	1	100.0	4	40.8	-	0.0	-	0.0	12	11.0
SUICIDE	137	17.3	1	15.2	-	0.0	-	0.0	1	10.2	-	0.0	-	0.0	34	31.1
CHR. LIVER DIS. AND CIRRHOSIS	109	13.7	1	15.2	1	18.5	-	0.0	2	20.4	-	0.0	-	0.0	14	12.8
DIABETES (2)	95	12.0	3	45.5	1	18.5	1	100.0	-	0.0	1	50.0	-	0.0	10	9.1
OCCURRENCE																
LIVE BIRTHS, TOTAL	13,999	17.7	94	14.2	78	14.4	-	0.0	177	18.1	18	9.0	-	0.0	2,234	20.4
DEATHS (EXCLUDING FETALS), TOTAL	6,707	8.5	49	7.4	39	7.2	2	2.0	84	8.6	25	12.5	5	3.1	1,002	9.2
INFANT (UNDER 1 YEAR)	133	9.5	1	10.6	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	25	11.2
ACCIDENTAL	603	0.8	6	0.9	7	1.3	-	0.0	12	1.2	2	1.0	-	0.0	78	0.7
MOTOR VEHICLE	349	0.4	3	0.5	2	0.4	-	0.0	8	0.8	2	1.0	-	0.0	52	0.5
OTHER ACCIDENTAL	254	0.3	3	0.5	5	0.9	-	0.0	4	0.4	-	0.0	-	0.0	26	0.2
MARRIAGES	8,209	10.4	78	11.8	77	14.3	7	7.0	112	11.4	17	8.5	17	10.6	1,104	10.1
MARITAL TERMINATIONS	5,004	6.3	15	2.3	25	4.6	4	4.0	52	5.3	7	3.5	3	1.9	802	7.3

(1) RESIDENT CAUSE-SPECIFIC DEATH RATES ARE SHOWN PER 100,000 POPULATION.
(2) SEE TABLE 12 FOR I.C.D. RUBRICS INCLUDED.
* NOT CALCULATED.

TABLE 30

TOTAL REPORTED PREGNANCIES BY TYPE OF OUTCOME BY COUNTY OF RESIDENCE AND AGE WITH PERCENTAGE DISTRIBUTION: MONTANA, 1981

COUNTY OF RESIDENCE	TOTAL	AGE GROUP								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
TOTAL										
LIVE BIRTHS										
NUMBER	14,309	14	1,736	5,032	4,770	2,231	437	76	12	1
PERCENT	100.0	0.1	12.1	35.2	33.3	15.6	3.1	0.5	0.1	0.0
FETAL DEATHS										
NUMBER	85	-	14	28	28	10	3	1	-	1
PERCENT	100.0	0.0	16.5	32.9	32.9	11.8	3.5	1.2	0.0	1.2
INDUCED ABORTIONS										
NUMBER	3,127	13	869	1,163	638	303	107	28	6	-
PERCENT	100.0	0.4	27.8	37.2	20.4	9.7	3.4	0.9	0.2	0.0
BEAVERHEAD										
LIVE BIRTHS										
NUMBER	137	-	14	46	53	17	5	1	1	-
PERCENT	100.0	0.0	10.2	33.6	38.7	12.4	3.6	0.7	0.7	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	26	-	5	12	4	2	1	2	-	-
PERCENT	100.0	0.0	19.2	46.2	15.4	7.7	3.8	7.7	0.0	0.0
BIG HORN										
LIVE BIRTHS										
NUMBER	293	1	78	118	66	27	3	-	-	-
PERCENT	100.0	0.3	26.6	40.3	22.5	9.2	1.0	0.0	0.0	0.0
FETAL DEATHS										
NUMBER	2	-	2	-	-	-	-	-	-	-
PERCENT	100.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	32	-	7	13	9	1	1	1	-	-
PERCENT	100.0	0.0	21.9	40.6	28.1	3.1	3.1	3.1	0.0	0.0
BLAINE										
LIVE BIRTHS										
NUMBER	152	-	24	62	42	17	7	-	-	-
PERCENT	100.0	0.0	15.8	40.8	27.6	11.2	4.6	0.0	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	15	-	6	5	3	-	-	-	1	-
PERCENT	100.0	0.0	40.0	33.3	20.0	0.0	0.0	0.0	6.7	0.0
BROADWATER										
LIVE BIRTHS										
NUMBER	45	-	3	20	13	7	1	1	-	-
PERCENT	100.0	0.0	6.7	44.4	28.9	15.6	2.2	2.2	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	3	-	1	1	-	1	-	-	-	-
PERCENT	100.0	0.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0

TABLE 30

TOTAL REPORTED PREGNANCIES BY TYPE OF OUTCOME BY COUNTY OF RESIDENCE AND AGE WITH PERCENTAGE DISTRIBUTION: MONTANA, 1981

COUNTY OF RESIDENCE	TOTAL	AGE GROUP								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
CARBON										
LIVE BIRTHS										
NUMBER	117	-	8	40	40	27	2	-	-	-
PERCENT	100.0	0.0	6.8	34.2	34.2	23.1	1.7	0.0	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	23	-	7	8	4	1	3	-	-	-
PERCENT	100.0	0.0	30.4	34.8	17.4	4.3	13.0	0.0	0.0	0.0
CARTER										
LIVE BIRTHS										
NUMBER	28	-	5	5	16	1	1	-	-	-
PERCENT	100.0	0.0	17.9	17.9	57.1	3.6	3.6	0.0	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CASCADE										
LIVE BIRTHS										
NUMBER	1,513	2	216	590	439	214	46	5	1	-
PERCENT	100.0	0.1	14.3	39.0	29.0	14.1	3.0	0.3	0.1	0.0
FETAL DEATHS										
NUMBER	12	-	1	4	5	2	-	-	-	-
PERCENT	100.0	0.0	8.3	33.3	41.7	16.7	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	304	1	104	116	45	23	9	4	2	-
PERCENT	100.0	0.3	34.2	38.2	14.8	7.6	3.0	1.3	0.7	0.0
CHOUTEAU										
LIVE BIRTHS										
NUMBER	122	-	14	45	30	24	8	1	-	-
PERCENT	100.0	0.0	11.5	36.9	24.6	19.7	6.6	0.8	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	6	-	1	-	3	1	1	-	-	-
PERCENT	100.0	0.0	16.7	0.0	50.0	16.7	16.7	0.0	0.0	0.0
CUSTER										
LIVE BIRTHS										
NUMBER	208	-	19	66	76	37	7	3	-	-
PERCENT	100.0	0.0	9.1	31.7	36.5	17.8	3.4	1.4	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	37	-	15	16	5	1	-	-	-	-
PERCENT	100.0	0.0	40.5	43.2	13.5	2.7	0.0	0.0	0.0	0.0

TABLE 30

TOTAL REPORTED PREGNANCIES BY TYPE OF OUTCOME BY COUNTY OF RESIDENCE AND AGE WITH PERCENTAGE DISTRIBUTION: MONTANA, 1981

COUNTY OF RESIDENCE	TOTAL	AGE GROUP								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
DANIELS										
LIVE BIRTHS										
NUMBER	43	-	4	13	14	8	4	-	-	-
PERCENT	100.0	0.0	9.3	30.2	32.6	18.6	9.3	0.0	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	3	-	-	-	2	-	-	1	-	-
PERCENT	100.0	0.0	0.0	0.0	66.7	0.0	0.0	33.3	0.0	0.0
DAWSON										
LIVE BIRTHS										
NUMBER	256	-	34	103	98	16	5	-	-	-
PERCENT	100.0	0.0	13.3	40.2	38.3	6.3	2.0	0.0	0.0	0.0
FETAL DEATHS										
NUMBER	1	-	-	-	-	1	-	-	-	-
PERCENT	100.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	37	-	9	18	8	2	-	-	-	-
PERCENT	100.0	0.0	24.3	48.6	21.6	5.4	0.0	0.0	0.0	0.0
DEER LODGE										
LIVE BIRTHS										
NUMBER	119	-	22	44	33	17	3	-	-	-
PERCENT	100.0	0.0	18.5	37.0	27.7	14.3	2.5	0.0	0.0	0.0
FETAL DEATHS										
NUMBER	2	-	2	-	-	-	-	-	-	-
PERCENT	100.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	11	-	5	5	-	1	-	-	-	-
PERCENT	100.0	0.0	45.5	45.5	0.0	9.1	0.0	0.0	0.0	0.0
FALLON										
LIVE BIRTHS										
NUMBER	80	-	11	33	25	11	-	-	-	-
PERCENT	100.0	0.0	13.8	41.3	31.3	13.8	0.0	0.0	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	2	-	2	-	-	-	-	-	-	-
PERCENT	100.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FERGUS										
LIVE BIRTHS										
NUMBER	232	-	30	70	88	38	6	-	-	-
PERCENT	100.0	0.0	12.9	30.2	37.9	16.4	2.6	0.0	0.0	0.0
FETAL DEATHS										
NUMBER	2	-	-	1	-	-	1	-	-	-
PERCENT	100.0	0.0	0.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	38	-	9	11	5	4	6	3	-	-
PERCENT	100.0	0.0	23.7	28.9	13.2	10.5	15.8	7.9	0.0	0.0

TABLE 30

TOTAL REPORTED PREGNANCIES BY TYPE OF OUTCOME BY COUNTY OF RESIDENCE AND AGE WITH PERCENTAGE DISTRIBUTION: MONTANA, 1981

COUNTY OF RESIDENCE	TOTAL	AGE GROUP								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
FLATHEAD										
LIVE BIRTHS										
NUMBER	913	1	85	309	340	147	22	8	1	-
PERCENT	100.0	0.1	9.3	33.8	37.2	16.1	2.4	0.9	0.1	0.0
FETAL DEATHS										
NUMBER	6	-	1	3	2	-	-	-	-	-
PERCENT	100.0	0.0	16.7	50.0	33.3	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	275	-	75	78	68	44	9	1	-	-
PERCENT	100.0	0.0	27.3	28.4	24.7	16.0	3.3	0.4	0.0	0.0
GALLATIN										
LIVE BIRTHS										
NUMBER	688	-	48	235	266	119	18	1	1	-
PERCENT	100.0	0.0	7.0	34.2	38.7	17.3	2.6	0.1	0.1	0.0
FETAL DEATHS										
NUMBER	8	-	1	2	5	-	-	-	-	-
PERCENT	100.0	0.0	12.5	25.0	62.5	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	274	1	66	115	65	23	3	1	-	-
PERCENT	100.0	0.4	24.1	42.0	23.7	8.4	1.1	0.4	0.0	0.0
GARFIELD										
LIVE BIRTHS										
NUMBER	34	-	4	14	10	2	3	1	-	-
PERCENT	100.0	0.0	11.8	41.2	29.4	5.9	8.8	2.9	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	2	-	-	-	-	1	1	-	-	-
PERCENT	100.0	0.0	0.0	0.0	0.0	50.0	50.0	0.0	0.0	0.0
GLACIER										
LIVE BIRTHS										
NUMBER	271	-	65	104	70	22	8	2	-	-
PERCENT	100.0	0.0	24.0	38.4	25.8	8.1	3.0	0.7	0.0	0.0
FETAL DEATHS										
NUMBER	5	-	-	2	3	-	-	-	-	-
PERCENT	100.0	0.0	0.0	40.0	60.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	54	-	17	22	11	3	1	-	-	-
PERCENT	100.0	0.0	31.5	40.7	20.4	5.6	1.9	0.0	0.0	0.0
GOLDEN VALLEY										
LIVE BIRTHS										
NUMBER	17	-	1	4	4	6	1	1	-	-
PERCENT	100.0	0.0	5.9	23.5	23.5	35.3	5.9	5.9	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	4	-	-	3	-	1	-	-	-	-
PERCENT	100.0	0.0	0.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0

TABLE 30

TOTAL REPORTED PREGNANCIES BY TYPE OF OUTCOME BY COUNTY OF RESIDENCE AND AGE WITH PERCENTAGE DISTRIBUTION: MONTANA, 1981

COUNTY OF RESIDENCE	TOTAL	AGE GROUP								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
GRANITE										
LIVE BIRTHS										
NUMBER	54	-	9	20	16	9	-	-	-	-
PERCENT	100.0	0.0	16.7	37.0	29.6	16.7	0.0	0.0	0.0	0.0
FETAL DEATHS										
NUMBER	1	-	-	-	1	-	-	-	-	-
PERCENT	100.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	9	-	3	3	2	-	1	-	-	-
PERCENT	100.0	0.0	33.3	33.3	22.2	0.0	11.1	0.0	0.0	0.0
HILL										
LIVE BIRTHS										
NUMBER	352	-	38	140	118	42	13	1	-	-
PERCENT	100.0	0.0	10.8	39.8	33.5	11.9	3.7	0.3	0.0	0.0
FETAL DEATHS										
NUMBER	4	-	-	2	-	1	-	1	-	-
PERCENT	100.0	0.0	0.0	50.0	0.0	25.0	0.0	25.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	46	1	22	14	6	2	1	-	-	-
PERCENT	100.0	2.2	47.8	30.4	13.0	4.3	2.2	0.0	0.0	0.0
JEFFERSON										
LIVE BIRTHS										
NUMBER	131	1	10	42	50	23	5	-	-	-
PERCENT	100.0	0.8	7.6	32.1	38.2	17.6	3.8	0.0	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	11	-	3	4	4	-	-	-	-	-
PERCENT	100.0	0.0	27.3	36.4	36.4	0.0	0.0	0.0	0.0	0.0
JUDITH BASIN										
LIVE BIRTHS										
NUMBER	26	-	-	11	10	4	-	1	-	-
PERCENT	100.0	0.0	0.0	42.3	38.5	15.4	0.0	3.8	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	6	-	1	2	1	2	-	-	-	-
PERCENT	100.0	0.0	16.7	33.3	16.7	33.3	0.0	0.0	0.0	0.0
LAKE										
LIVE BIRTHS										
NUMBER	363	-	41	130	116	64	11	1	-	-
PERCENT	100.0	0.0	11.3	35.8	32.0	17.6	3.0	0.3	0.0	0.0
FETAL DEATHS										
NUMBER	1	-	-	1	-	-	-	-	-	-
PERCENT	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	72	-	20	26	10	14	1	1	-	-
PERCENT	100.0	0.0	27.8	36.1	13.9	19.4	1.4	1.4	0.0	0.0

TABLE 30

TOTAL REPORTED PREGNANCIES BY TYPE OF OUTCOME BY COUNTY OF RESIDENCE AND AGE WITH PERCENTAGE DISTRIBUTION: MONTANA, 1981

COUNTY OF RESIDENCE	TOTAL	AGE GROUP								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
LEWIS & CLARK										
LIVE BIRTHS										
NUMBER	779	2	96	244	262	139	34	2	-	-
PERCENT	100.0	0.3	12.3	31.3	33.6	17.8	4.4	0.3	0.0	0.0
FETAL DEATHS										
NUMBER	3	-	-	1	1	-	-	-	-	1
PERCENT	100.0	0.0	0.0	33.3	33.3	0.0	0.0	0.0	0.0	33.3
INDUCED ABORTIONS										
NUMBER	202	2	59	78	31	22	8	1	1	-
PERCENT	100.0	1.0	29.2	38.6	15.3	10.9	4.0	0.5	0.5	0.0
LIBERTY										
LIVE BIRTHS										
NUMBER	53	1	2	22	13	14	1	-	-	-
PERCENT	100.0	1.9	3.8	41.5	24.5	26.4	1.9	0.0	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	3	-	1	2	-	-	-	-	-	-
PERCENT	100.0	0.0	33.3	66.7	0.0	0.0	0.0	0.0	0.0	0.0
LINCOLN										
LIVE BIRTHS										
NUMBER	312	-	43	111	85	56	14	3	-	-
PERCENT	100.0	0.0	13.8	35.6	27.2	17.9	4.5	1.0	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	55	1	20	17	7	7	3	-	-	-
PERCENT	100.0	1.8	36.4	30.9	12.7	12.7	5.5	0.0	0.0	0.0
MCCONE										
LIVE BIRTHS										
NUMBER	63	-	4	24	21	11	2	1	-	-
PERCENT	100.0	0.0	6.3	38.1	33.3	17.5	3.2	1.6	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MADISON										
LIVE BIRTHS										
NUMBER	101	-	10	31	38	18	4	-	-	-
PERCENT	100.0	0.0	9.9	30.7	37.6	17.8	4.0	0.0	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	22	-	4	7	9	-	2	-	-	-
PERCENT	100.0	0.0	18.2	31.8	40.9	0.0	9.1	0.0	0.0	0.0

TABLE 30

TOTAL REPORTED PREGNANCIES BY TYPE OF OUTCOME BY COUNTY OF RESIDENCE AND AGE WITH PERCENTAGE DISTRIBUTION: MONTANA, 1981

COUNTY OF RESIDENCE	TOTAL	AGE GROUP								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
MEAGHER										
LIVE BIRTHS										
NUMBER	40	-	5	11	7	13	3	1	-	-
PERCENT	100.0	0.0	12.5	27.5	17.5	32.5	7.5	2.5	0.0	0.0
FETAL DEATHS										
NUMBER	2	-	2	-	-	-	-	-	-	-
PERCENT	100.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	8	-	2	5	1	-	-	-	-	-
PERCENT	100.0	0.0	25.0	62.5	12.5	0.0	0.0	0.0	0.0	0.0
MINERAL										
LIVE BIRTHS										
NUMBER	72	-	8	29	19	11	5	-	-	-
PERCENT	100.0	0.0	11.1	40.3	26.4	15.3	6.9	0.0	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	10	-	6	1	3	-	-	-	-	-
PERCENT	100.0	0.0	60.0	10.0	30.0	0.0	0.0	0.0	0.0	0.0
MISSOULA										
LIVE BIRTHS										
NUMBER	1,358	-	132	444	464	260	46	8	4	-
PERCENT	100.0	0.0	9.7	32.7	34.2	19.1	3.4	0.6	0.3	0.0
FETAL DEATHS										
NUMBER	7	-	-	1	4	1	1	-	-	-
PERCENT	100.0	0.0	0.0	14.3	57.1	14.3	14.3	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	540	-	116	233	107	54	27	2	1	-
PERCENT	100.0	0.0	21.5	43.1	19.8	10.0	5.0	0.4	0.2	0.0
MUSSELSHELL										
LIVE BIRTHS										
NUMBER	82	-	10	25	26	19	1	1	-	-
PERCENT	100.0	0.0	12.2	30.5	31.7	23.2	1.2	1.2	0.0	0.0
FETAL DEATHS										
NUMBER	1	-	1	-	-	-	-	-	-	-
PERCENT	100.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	7	-	3	3	-	-	1	-	-	-
PERCENT	100.0	0.0	42.9	42.9	0.0	0.0	14.3	0.0	0.0	0.0
PARK										
LIVE BIRTHS										
NUMBER	219	-	28	79	81	28	3	-	-	-
PERCENT	100.0	0.0	12.8	36.1	37.0	12.8	1.4	0.0	0.0	0.0
FETAL DEATHS										
NUMBER	2	-	-	1	1	-	-	-	-	-
PERCENT	100.0	0.0	0.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	38	-	9	16	12	1	-	-	-	-
PERCENT	100.0	0.0	23.7	42.1	31.6	2.6	0.0	0.0	0.0	0.0

TABLE 30

TOTAL REPORTED PREGNANCIES BY TYPE OF OUTCOME BY COUNTY OF RESIDENCE AND AGE WITH PERCENTAGE DISTRIBUTION: MONTANA, 1981

COUNTY OF RESIDENCE	TOTAL	AGE GROUP								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
PETROLEUM										
LIVE BIRTHS										
NUMBER	11	-	2	1	4	3	1	-	-	-
PERCENT	100.0	0.0	18.2	9.1	36.4	27.3	9.1	0.0	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PHILLIPS										
LIVE BIRTHS										
NUMBER	104	-	12	41	34	11	5	1	-	-
PERCENT	100.0	0.0	11.5	39.4	32.7	10.6	4.8	1.0	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	8	-	2	2	2	2	-	-	-	-
PERCENT	100.0	0.0	25.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0
PONDERA										
LIVE BIRTHS										
NUMBER	118	-	11	52	41	11	3	-	-	-
PERCENT	100.0	0.0	9.3	44.1	34.7	9.3	2.5	0.0	0.0	0.0
FETAL DEATHS										
NUMBER	1	-	-	1	-	-	-	-	-	-
PERCENT	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	15	1	6	5	2	1	-	-	-	-
PERCENT	100.0	6.7	40.0	33.3	13.3	6.7	0.0	0.0	0.0	0.0
POWDER RIVER										
LIVE BIRTHS										
NUMBER	51	-	5	19	20	5	2	-	-	-
PERCENT	100.0	0.0	9.8	37.3	39.2	9.8	3.9	0.0	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
POWELL										
LIVE BIRTHS										
NUMBER	117	-	17	38	44	15	2	-	1	-
PERCENT	100.0	0.0	14.5	32.5	37.6	12.8	1.7	0.0	0.9	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	12	-	7	2	2	1	-	-	-	-
PERCENT	100.0	0.0	58.3	16.7	16.7	8.3	0.0	0.0	0.0	0.0

TABLE 30

TOTAL REPORTED PREGNANCIES BY TYPE OF OUTCOME BY COUNTY OF RESIDENCE AND AGE WITH PERCENTAGE DISTRIBUTION: MONTANA, 1981

COUNTY OF RESIDENCE	TOTAL	AGE GROUP								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
PRAIRIE										
LIVE BIRTHS										
NUMBER	22	-	3	7	7	4	1	-	-	-
PERCENT	100.0	0.0	13.6	31.8	31.8	18.2	4.5	0.0	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	3	-	-	1	-	1	1	-	-	-
PERCENT	100.0	0.0	0.0	33.3	0.0	33.3	33.3	0.0	0.0	0.0
RAVALLI										
LIVE BIRTHS										
NUMBER	365	1	36	98	126	79	12	11	2	-
PERCENT	100.0	0.3	9.9	26.8	34.5	21.6	3.3	3.0	0.5	0.0
FETAL DEATHS										
NUMBER	3	-	1	-	-	2	-	-	-	-
PERCENT	100.0	0.0	33.3	0.0	0.0	66.7	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	54	2	13	14	16	8	-	1	-	-
PERCENT	100.0	3.7	24.1	25.9	29.6	14.8	0.0	1.9	0.0	0.0
RICHLAND										
LIVE BIRTHS										
NUMBER	366	-	52	158	108	37	10	1	-	-
PERCENT	100.0	0.0	14.2	43.2	29.5	10.1	2.7	0.3	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	48	1	17	15	12	1	2	-	-	-
PERCENT	100.0	2.1	35.4	31.3	25.0	2.1	4.2	0.0	0.0	0.0
ROOSEVELT										
LIVE BIRTHS										
NUMBER	286	1	58	93	85	45	3	1	-	-
PERCENT	100.0	0.3	20.3	32.5	29.7	15.7	1.0	0.3	0.0	0.0
FETAL DEATHS										
NUMBER	2	-	-	1	1	-	-	-	-	-
PERCENT	100.0	0.0	0.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	41	1	10	13	14	1	2	-	-	-
PERCENT	100.0	2.4	24.4	31.7	34.1	2.4	4.9	0.0	0.0	0.0
ROSEBUD										
LIVE BIRTHS										
NUMBER	290	-	42	108	103	28	7	1	-	1
PERCENT	100.0	0.0	14.5	37.2	35.5	9.7	2.4	0.3	0.0	0.3
FETAL DEATHS										
NUMBER	1	-	-	-	-	1	-	-	-	-
PERCENT	100.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	33	-	9	10	11	1	2	-	-	-
PERCENT	100.0	0.0	27.3	30.3	33.3	3.0	6.1	0.0	0.0	0.0

TABLE 30

TOTAL REPORTED PREGNANCIES BY TYPE OF OUTCOME BY COUNTY OF RESIDENCE AND AGE WITH PERCENTAGE DISTRIBUTION: MONTANA, 1981

COUNTY OF RESIDENCE	TOTAL	AGE GROUP								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
SANDERS										
LIVE BIRTHS										
NUMBER	146	-	15	54	48	22	7	-	-	-
PERCENT	100.0	0.0	10.3	37.0	32.9	15.1	4.8	0.0	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	16	-	4	7	3	1	1	-	-	-
PERCENT	100.0	0.0	25.0	43.8	18.8	6.3	6.3	0.0	0.0	0.0
SHERIDAN										
LIVE BIRTHS										
NUMBER	101	-	18	34	35	8	4	2	-	-
PERCENT	100.0	0.0	17.8	33.7	34.7	7.9	4.0	2.0	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	8	-	3	2	2	1	-	-	-	-
PERCENT	100.0	0.0	37.5	25.0	25.0	12.5	0.0	0.0	0.0	0.0
SILVER BOW										
LIVE BIRTHS										
NUMBER	517	1	90	179	168	63	12	4	-	-
PERCENT	100.0	0.2	17.4	34.6	32.5	12.2	2.3	0.8	0.0	0.0
FETAL DEATHS										
NUMBER	7	-	2	1	1	2	1	-	-	-
PERCENT	100.0	0.0	28.6	14.3	14.3	28.6	14.3	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	89	1	22	32	19	7	5	3	-	-
PERCENT	100.0	1.1	24.7	36.0	21.3	7.9	5.6	3.4	0.0	0.0
STILLWATER										
LIVE BIRTHS										
NUMBER	83	-	6	28	34	13	1	1	-	-
PERCENT	100.0	0.0	7.2	33.7	41.0	15.7	1.2	1.2	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	14	-	2	3	6	2	1	-	-	-
PERCENT	100.0	0.0	14.3	21.4	42.9	14.3	7.1	0.0	0.0	0.0
SWEET GRASS										
LIVE BIRTHS										
NUMBER	45	-	2	13	23	7	-	-	-	-
PERCENT	100.0	0.0	4.4	28.9	51.1	15.6	0.0	0.0	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	10	-	5	3	-	2	-	-	-	-
PERCENT	100.0	0.0	50.0	30.0	0.0	20.0	0.0	0.0	0.0	0.0

TABLE 30

TOTAL REPORTED PREGNANCIES BY TYPE OF OUTCOME BY COUNTY OF RESIDENCE AND AGE WITH PERCENTAGE DISTRIBUTION: MONTANA, 1981

COUNTY OF RESIDENCE	TOTAL	AGE GROUP								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
TETON										
LIVE BIRTHS										
NUMBER	121	-	6	36	40	33	6	-	-	-
PERCENT	100.0	0.0	5.0	29.8	33.1	27.3	5.0	0.0	0.0	0.0
FETAL DEATHS										
NUMBER	1	-	-	1	-	-	-	-	-	-
PERCENT	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	16	-	4	6	2	3	1	-	-	-
PERCENT	100.0	0.0	25.0	37.5	12.5	18.8	6.3	0.0	0.0	0.0
TOOLE										
LIVE BIRTHS										
NUMBER	114	-	15	36	44	14	4	1	-	-
PERCENT	100.0	0.0	13.2	31.6	38.6	12.3	3.5	0.9	0.0	0.0
FETAL DEATHS										
NUMBER	2	-	-	2	-	-	-	-	-	-
PERCENT	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	18	-	8	5	5	-	-	-	-	-
PERCENT	100.0	0.0	44.4	27.8	27.8	0.0	0.0	0.0	0.0	0.0
TREASURE										
LIVE BIRTHS										
NUMBER	15	-	2	3	7	3	-	-	-	-
PERCENT	100.0	0.0	13.3	20.0	46.7	20.0	0.0	0.0	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	2	-	-	1	-	-	-	1	-	-
PERCENT	100.0	0.0	0.0	50.0	0.0	0.0	0.0	50.0	0.0	0.0
VALLEY										
LIVE BIRTHS										
NUMBER	180	-	25	52	69	31	2	1	-	-
PERCENT	100.0	0.0	13.9	28.9	38.3	17.2	1.1	0.6	0.0	0.0
FETAL DEATHS										
NUMBER	2	-	1	-	1	-	-	-	-	-
PERCENT	100.0	0.0	50.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	42	-	14	14	6	5	2	1	-	-
PERCENT	100.0	0.0	33.3	33.3	14.3	11.9	4.8	2.4	0.0	0.0
WHEATLAND										
LIVE BIRTHS										
NUMBER	38	-	1	15	15	4	3	-	-	-
PERCENT	100.0	0.0	2.6	39.5	39.5	10.5	7.9	0.0	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	10	-	5	2	3	-	-	-	-	-
PERCENT	100.0	0.0	50.0	20.0	30.0	0.0	0.0	0.0	0.0	0.0

TABLE 30

TOTAL REPORTED PREGNANCIES BY TYPE OF OUTCOME BY COUNTY OF RESIDENCE AND AGE WITH PERCENTAGE DISTRIBUTION: MONTANA, 1981

COUNTY OF RESIDENCE	TOTAL	AGE GROUP								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
WIBAUX										
LIVE BIRTHS										
NUMBER	29	-	3	14	6	4	1	1	-	-
PERCENT	100.0	0.0	10.3	48.3	20.7	13.8	3.4	3.4	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
YELLOWSTONE										
LIVE BIRTHS										
NUMBER	1,917	3	194	669	660	323	59	8	1	-
PERCENT	100.0	0.2	10.1	34.9	34.4	16.8	3.1	0.4	0.1	0.0
FETAL DEATHS										
NUMBER	7	-	-	4	3	-	-	-	-	-
PERCENT	100.0	0.0	0.0	57.1	42.9	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	513	1	140	192	108	55	11	5	1	-
PERCENT	100.0	0.2	27.3	37.4	21.1	10.7	2.1	1.0	0.2	0.0
YELLOWSTONE PRK										
LIVE BIRTHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FETAL DEATHS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUCED ABORTIONS										
NUMBER	-	-	-	-	-	-	-	-	-	-
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

MORBIDITY

TUBERCULOSIS

RUBELLA

MEASLES

WHOOPING COUGH

RHEUMATIC FEVER

POLIOMYELITIS

OTHERS

TABLE 31
REPORTED CASES OF REPORTABLE DISEASES
MONTANA COUNTIES, 1981
(By Place of Residence)

COUNTY	ASPETIC MENINGITIS	BRUCELLOSIS	DIPHTHERIA	GONORRHEA	HEPATITIS, INFECTIOUS AND SERUM	MEASLES (RUBEOLA)	RUBELLA (GERMAN MEASLES)	MENINGOCOCCAL INFECTIONS	PERTUSSIS (WHOOPING COUGH)	POLIOMYELITIS	ROCKY MOUNTAIN SPOTTED FEVER	SALMONELLOSIS		SHIGELLOSIS	SYPHILIS	TETANUS	TRICHINOSIS	TUBERCULOSIS	TULAREMIA
												TYPHOID FEVER	OTHER						
MONTANA, TOTAL	20	-	1	1,484	132	-	3	11	12	-	12	4	124	35	24	-	-	36	6
BEAVERHEAD	-	-	-	3	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
BIG HORN	-	-	1	45	14	-	-	-	-	-	2	-	5	8	-	-	-	-	4
BLAINE	-	-	-	24	-	-	-	-	-	-	-	-	2	-	-	-	-	2	-
BROADWATER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
CARBON	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
CARTER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CASCADE	3	-	-	192	15	-	-	1	-	-	-	-	9	1	15	-	-	1	-
CHOUTEAU	1	-	-	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
CUSTER	-	-	-	35	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-
DANIELS	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DAWSON	-	-	-	6	1	-	-	-	-	-	-	-	2	-	-	-	-	-	-
DEER LODGE	-	-	-	19	-	-	-	-	-	-	1	-	4	-	1	-	-	1	-
FALLON	-	-	-	1	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-
FERGUS	-	-	-	7	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
FLATHEAD	1	-	-	76	3	-	-	2	-	-	-	-	-	1	1	-	-	1	-
GALLATIN	-	-	-	69	1	-	1	1	1	-	-	-	8	1	-	-	-	-	-
GARFIELD	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
GLACIER	-	-	-	64	6	-	-	-	-	-	-	-	-	2	-	-	-	7	-
GOLDEN VALLEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRANITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
HILL	5	-	-	34	-	-	1	1	5	-	-	-	6	-	-	-	-	3	-
JEFFERSON	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-
JUDITH BASIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LAKE	-	-	-	34	1	-	-	-	-	-	1	-	10	-	-	-	-	1	-
LEWIS & CLARK	2	-	-	91	28	-	-	-	-	-	-	1	4	-	-	-	-	2	-
LIBERTY	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LINCOLN	-	-	-	7	2	-	-	-	-	-	-	-	1	-	-	-	-	-	1
McCONE	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADISON	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
MEAGHER	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 31
REPORTED CASES OF REPORTABLE DISEASES
MONTANA COUNTIES, 1981
(By Place of Residence)

COUNTY	ASPETIC MENINGITIS	BRUCELLOSIS	DIPHTHERIA	GONORRHEA	HEPATITIS, INFECTIOUS AND SERUM	MEASLES (RUBEOLA)	RUBELLA (GERMAN MEASLES)	MENINGOCOCCAL INFECTIONS	PERTUSSIS (WHOOPING COUGH)	POLIOMYELITIS	ROCKY MOUNTAIN SPOTTED FEVER	SALMONELLOSIS		SHIGELLOSIS	SYPHILIS	TETANUS	TRICHINOSIS	TUBERCULOSIS	TULAREMIA
												TYPHOID FEVER	OTHER						
MINERAL	-	-	-	5	-	-	-	-	-	-	-	3	-	2	-	-	-	-	-
MISSOULA	-	-	-	185	5	-	1	-	-	-	4	-	26	9	1	-	-	2	-
MUSSELSHELL	-	-	-	3	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
PARK	2	-	-	5	-	-	-	-	1	-	1	-	1	1	-	-	-	-	-
PETROLEUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHILLIPS	-	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PONDERA	1	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POWDER RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POWELL	-	-	-	3	3	-	-	-	-	-	-	-	2	-	-	-	-	1	-
PRAIRIE	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RAVALLI	-	-	-	9	4	-	-	1	-	-	1	-	-	-	-	-	-	1	-
RICHLAND	-	-	-	11	1	-	-	-	-	-	-	-	2	1	-	-	-	-	-
ROOSEVELT	-	-	-	47	-	-	-	-	-	-	-	-	1	-	1	-	-	7	-
ROSEBUD	1	-	-	64	7	-	-	-	-	-	-	-	6	-	-	-	-	1	-
SANDERS	-	-	-	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHERIDAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SILVER BOW	-	-	-	40	5	-	-	1	5	-	-	-	6	-	1	-	-	1	-
STILLWATER	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWEET GRASS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TETON	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOOLE	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TREASURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VALLEY	-	-	-	22	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-
WHEATLAND	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
WIBAUX	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	-
YELLOWSTONE	4	-	-	345	30	-	-	1	-	-	-	-	18	3	2	-	-	1	1

AVAILABILITY OF DATA

This report has been published annually since 1954 by the Bureau of Records and Statistics. Single copies of this publication are available without charge as long as the supply lasts. Copies of the 1970, 1972, 1974, 1975, 1977, 1978, 1979, and 1980 reports are available; however, the reserve copies for 1971, 1973, 1976, and years prior to 1970 have been exhausted. Specific information from any report will be supplied on request. Inquiries should be addressed to the Bureau of Records and Statistics, Montana Department of Health and Environmental Sciences, Helena, Montana 59620.

Additional tabulations can be produced to satisfy individual requests. In such instances, the requestor may be asked to reimburse the Bureau for production costs. Uncomplicated tabulations can usually be produced without cost to the requestor. Involved tabulations requiring extensive computer utilization may require reimbursement for programming costs and computer charges. Beyond this, the production of special tabulations is subject to the availability of personnel and must not violate the policy of the Montana Board of Health and Environmental Sciences that all records and information concerning individuals received in the offices of the Department are confidential. This is not usually a concern in reports of a statistical or tabular nature in which identification of the individual does not appear.